

# **COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY**

*An International Journal*

**EDITOR:** G. A. KERKUT (*Southampton*)

## **Author and Subject Indexes**

**Volumes 92-94 Parts A, B and C, 1989**



**PERGAMON PRESS**

OXFORD · NEW YORK

BEIJING · FRANKFURT · SÃO PAULO · SYDNEY · TOKYO · TORONTO

# Comparative Biochemistry and Physiology

## Editor

Professor G. A. KERKUT, Department of Physiology and Biochemistry, University of Southampton, Southampton SO9 3TU, England (Executive Editor)  
(Tel: 0703-594341; Fax: 0703-594319)

## Members of the Honorary Editorial Advisory Board

T. H. BULLOCK (La Jolla)	H. S. MASON (Portland)
C. B. COWEY (Guelph)	T. PIEK (Amsterdam)
R. FÄNGE (Göteborg)	C. L. PROSSER (Urbana)
E. FLOREY (Konstanz)	J. ROCHE (Paris)
W. S. HOAR (Vancouver)	B. T. SCHEER (Santa Barbara)
H. KINOSITA (Saitama)	C. A. VILLEE (Massachusetts)
E. KREPS (Leningrad)	G. WALD (Harvard)
O. LOWENSTEIN (Birmingham)	J. H. WELSH (Maine)
C. MANWELL (Adelaide)	

*Publishing, Subscription and Advertising Offices:* Pergamon Press plc, Headington Hill Hall, Oxford OX3 0BW, England (Tel: 0865-64881).

*North America:* Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA.

### Annual Subscription Rates 1990 (including postage and insurance)

Annual institutional subscription rate (1990): combined subscription, DM 6120.00. Part A, Comparative Physiology DM 2590.00; Part B, Comparative Biochemistry DM 2590.00; Part C, Comparative Pharmacology and Toxicology DM 1640.00.

2 year institutional rate (1990/91): combined subscription, DM 11628.00. Part A, DM 4921.00; Part B, DM 4921.00; Part C, DM 3116.00.

Personal subscription rate for those whose library subscribes at the regular rate (1990): combined subscription, DM 460.00. Part A, Comparative Physiology DM 220.00; Part B, Comparative Biochemistry DM 220.00; Part C, Comparative Pharmacology and Toxicology DM 175.00. Parts A and B: Three volumes of each part per year, four issues per volume. Part C: Three volumes per year, two issues per volume. Prices are subject to change without notice.

### Microform Subscriptions and Back Issues

Back issues of all previously published volumes, in both hard copy and on microform are available direct from Pergamon offices.

Copyright © 1990 Pergamon Press plc

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

**Photocopying information for users in the USA.** The Item-Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance of \$3.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 27 Congress Street, Salem, MA 01970.

**Permission for other use.** The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt, please contact your nearest Pergamon office.

©™ The paper used in this publication meets the minimum requirements of American National Standard for Information Sciences—Permanence of Paper for Printed Library Materials, ANSI Z39.48-1984.

## AUTHOR INDEX

Volumes 92-94 A, B and C inclusive, 1989

- Abbas, M. K. 93B, 635  
 Abe, A. S. 93A, 561  
 Abe, T. 92C, 231, 309  
 Abelenda, M. 94A, 201  
 Abeywardena, M. W. 92A, 299  
 Abraham, P. 93A, 291  
 Abraham, S. 92B, 697  
 Abrams, V. A. M. 93B, 291  
 Abuelgassim, A. O. 94B, 269  
 Accomando, R. 93B, 747  
 Acierno, R. 94A, 731  
 Ackerman, R. A. 93A, 807  
 Acton, K. S. 94A, 677  
 Adachi, K. 93C, 167  
 Adams, B. M. 94A, 771  
 Adams, P. M. 94C, 255  
 Adams, T. E. 94A, 771  
 Addink, A. D. F. 92A, 159; 94A, 809  
 Adeoshun, I. O. 93A, 281  
 Adkins, M. D. 94B, 569  
 Adrich, Z. 93B, 793  
 Agnisola, C. 94A, 731  
 Agren, J. J. 92B, 75; 93C, 55  
 Aguilar, M. B. 93B, 299  
 Ahmed, A. A. 93B, 119  
 Aihara, M. 92B, 533  
 Ait-Boulahsen, A. 94A, 683  
 Akaike, N. 92A, 61  
 Aksamit, R. R. 92A, 97  
 Al-Ali, A. K. 92B, 517; 93B, 857  
 Al-Attas, O. S. 93B, 125  
 Al-Chalabi, K. A. K. 93B, 789  
 Aldes, L. D. 94C, 29  
 Aldman, G. 92C, 103  
 Aldrich, J. C. 92A, 535  
 Aldunate, J. 94C, 87  
 Alexander, D. E. 94A, 689  
 Alexander, J. 93C, 367  
 Al-Hassan, J. M. 92B, 205; 93B, 621  
 Al-Husayni, H. 92B, 517  
 Ali, M. 92B, 205  
 Al-Kassim, L. S. 94B, 655  
 Al-Khayat, B. 93B, 789  
 Allende, C. C. 92B, 487  
 Al-Mutairy, A. 92B, 517  
 Al-Rehaimi, A. A. 93B, 857  
 Al-Saleh, J. 92B, 205  
 Altrup, U. 94C, 585  
 Alvarez-Valdivielso, M. 94A, 717  
 Alvinerie, M. 94C, 81  
 Al-Wassia, A. H. 94A, 755  
 Amerkhanov, Z. G. 94B, 537  
 Aminlari, M. 92C, 259  
 Amthauer, R. 92B, 787

- Anand; R. 93A, 125

Anctil, M. 93C, 127

Andersen, R. A. 93C, 367; 94B, 285

Anderson, A. J. 93B, 715

Anderson, B. D. 93A, 613

Anderson, C. R. 92C, 253

Anderson, J. F. 94A, 269

Anderson, R. S. 94C, 365

Andersson, T. 93B, 653; 94B, 99

Andjelkovic, M. 93B, 629

Ando, K. 93C, 167

Ando, S. 93B, 503

Andrade, C. 94A, 777

Andreasen, M. 93A, 195

Andriamihaja, M. 93B, 471

Angiolillo, A. 93B, 877

Angiolillo, D. 93C, 33

Angioy, A. M. 93A, 523; 94A, 257

Angulo, E. 93C, 231; 94C, 641

Ankley, G. T. 94C, 235

Annicchiarico, M. 94B, 435

Annunziata, M. 94B, 71

Anthoni, U. 92B, 711

Antoranz, J. C. 94A, 717

Antropova, O. Y. 94B, 621

Aoki, M. 93A, 711

Aoki, Y. 93C, 345

Aoyagi, Y. 92B, 351

Apon, L. 94B, 729

Apps, P. J. 93B, 459

ApSimon, J. W. 92B, 411

Aquilera-Quintana, I. 94A, 569

Arad, Z. 94B, 395

Arai, S. 93B, 255

Arangi, I. 92B, 103; 94A, 117, 607

Aratake, H. 94B, 149

Araujo, L. S. 92B, 297

Araujo-Viel, M. S. 93B, 781

Ardourel, C. 93C, 213

Arieli, Y. 92A, 91

Arilla, E. 93A, 463

Ariyoshi, Y. 93C, 181

Armbruster, L. 92B, 763

Armstrong, F. H. 94C, 345

Armugam, A. 93B, 757

Arola, Ll. 94C, 45

Arrontes, J. 94A, 133

Arruda, J. A. L. 92A, 21; 93A, 519; 93B, 539

Arthington, A. H. 93B, 715

Ary, M. B. 92B, 51

Asa'd, Q. 93B, 333

Asaki, Y. 94A, 583

Asking, B. 92A, 589

Assad, H. 92B, 205

Asselin, A. 92B, 523

Assme, Z. 92A, 171

Audesirk, T. E. 93C, 115

Audy, P. 92B, 523

Auerbach, S. B. 94C, 493

Augee, M. L. 92A, 609

- Aulie, A. 93A, 473 129  
Avila, J. L. 94B, 335 Banaszak, A. T. 93B, 601  
Aviram, M. 93B, 279 Banner, S. E. 92C, 333  
Axelsson, M. 93A, 561 Banno, Y. 94B, 561  
Ayrault-Jarrier, M. 93B, Banta, P. A. 94A, 73  
371 Baracos, V. E. 92A, 555;  
Baba, A. 94B, 399, 405; 94A, 323  
94C, 335 Barbarossa, I. T. 93A,  
Babcock, M. M. 93C, 155 523; 94A, 257  
Bach, J. 94C, 215 Barbarossa, L. 93C, 33  
Bacciottini, F. 94B, 581 Barbie, O. A. 92A, 37  
Bacila, M. 92B, 307, 313; Bardgard, A. 94B, 129,  
93A, 819 135  
Badia, P. 94A, 209 Bardgard, A. J. 93A, 577  
Baert, J.-L. 92B, 167 Barghigiani, C. 94C, 309  
Baeyens, D. A. 94A, 515; Barishak, Y. R. 92C, 329  
94B, 475 Barnes, P. M. 92A, 485  
Bagley, L. G. 93A, 451 Barre, H. 92B, 59  
Baguet, F. 94C, 521 Barreto, A. Jr. 92C, 135  
Bagust, J. 93A, 151, 161 Barrett, B. A. 94A, 791  
Bailhache, T. 94A, 305 Bartke, A. 93C, 303  
Baker, D. M. 94C, 527 Bartlett, S. E. 93B, 5  
Baker, J. E. 92B, 389; Basaglia, F. 92B, 213,  
93B, 239 395; 93B, 707, 867, 873;  
Baker, J. R. 92C, 237, 94B, 625  
245 Basch, P. F. 93C, 397  
Bakhteeva, V. T. 94C, 115 Bassot, J.-M. 93C, 127  
Bakke, T. 94B, 285 Bastin, J. 93B, 471  
Bakker, H. R. 92A, 521 Bastos, J. C. 94C, 683  
Baldwin, J. 93B 549; Bastos, V. L. F. C. 94C,  
94A, 663 Batlle, A. M. del C. 92B,  
Bale, J. S. 94A, 499 291, 297; 94B, 635  
Ballantyne, J. S. 93B, Batrukova, M. A. 94B, 237  
583 Battram, J. C. 93B, 499;  
Balzer, I. 92C, 297; 94C, 94B, 439

- Baudinette, R. V. 93A, 331  
 Bauer, R. 92A, 385  
 Bauer-Hilty, A. 92C, 355; 94C, 373  
 Baum, B. J. 93A, 383  
 Baumiller, T. K. 93A, 391  
 Bautz, A. 93B, 477  
 Bautz, A. M. 92B, 763  
 Bavykina, N. I. 94B, 237  
 Baxter, R. C. 92B, 561  
 Beal, A. M. 92A, 495  
 Beard, L. A. 92A, 609  
 Beck, D. 93B, 799  
 Beck, G. 92B, 93  
 Beechey, R. B. 94B, 801  
 Beenakkers, A. M. Th. 92B, 133; 94B, 165, 293  
 Beermann, U. 93A, 467  
 Beesley, P. W. 93A, 255  
 Beidler, L. M. 94A, 603  
 Beis, I. D. 93B, 247, 697  
 Beitz, D. C. 93B, 561  
 Bell, R. A. 93A, 767  
 Bellelli, A. 93A, 319  
 Belles, X. 94A, 795  
 Bellinaso, M. L. 94B, 65  
 Benevides, J. M. 94B, 779  
 Benke, D. 94C, 71  
 Benkirane, M. 94B, 13, 29, 27  
 Bennett, G. W. 93A, 107  
 Bennett, P. B. 93A, 295  
 Bennetova, B. 94B, 85  
 Benson, M. D. 94B, 175  
 Bentley, P. J. 92A, 577  
 Ben-Zvi, Z. 93A, 349  
 Berg, D. J. 92A, 71  
 Bergema, W. F. 93A, 833  
 Berger, B. 92C, 355; 94C, 373  
 Berges, J. A. 93B, 583  
 Berman, D. M. 92A, 15  
 Bernacchi, A. S. 94C, 357  
 Bernard, S. 93B, 673  
 Bernasconi, A. 93B, 1  
 Bernheimer, A. W. 94C, 105  
 Berni, R. 94B, 79  
 Berry, S. 93A, 267  
 Berry, S. L. 92B, 501  
 Besnard, J.-Y. 93B, 21  
 Bessette, C. L. 94A, 41  
 Betticher, D. C. 93A, 429  
 Beveridge, A. A. 93C, 293  
 Bewick, G. S. 94C, 321  
 Bicudo, J. E. P. W. 93A, 561  
 Bidochka, M. J. 94B, 117  
 Bienen, E. J. 94B, 245  
 Bientema, J. J. 94B, 587, 593  
 Billheimer, J. T. 92B, 675  
 Billiald, P. 93B, 67  
 Bindslev, N. 94A, 315; 94C, 189  
 Bintz, G. L. 93A, 613  
 Biondi, C. 94C, 327, 635

- Bird, K. T. 94B, 107  
 Birt, T. P. 93B, 5  
 Birt, V. L. 93B, 5  
 Bissoli, R. 93C, 317  
 Bitsch, C. 94B, 599  
 Bjorkman, C. 93C, 201  
 Bjornhag, G. 94A, 105  
 Black, B. L. 93B, 39  
 Blade, C. 94C, 45  
 Blake, P. A. 94B, 415  
 Blanc, J. M. 93A, 839  
 Blanck, J. 93C, 55  
 Bledsoe, S. C. Jr. 93C,  
 73  
 Blomgren, K. 93B, 403  
 Blomquist, G. J. 92B,  
 227; 93C, 253  
 Blum, J. J. 94B, 453  
 Bobbin, R. P. 93C, 73  
 Bocheva, A. 94C, 649  
 Bock, S. 92B, 35  
 Bodine, A. B. 94C, 447  
 Body, D. R. 93B, 223  
 Boermans, H. J. 94A, 677  
 Bogaards, R. 93A, 413  
 Bogaards, R. H. 94B, 729  
 Bogomoletz, A. A. 94C,  
 655  
 Boissin, J. 93A, 791  
 Boissonneault, G. 93B,  
 157  
 Bokisch, A. J. 92C, 391  
 Bolanos, A. 94A, 209  
 Boldyrev, A. A. 94B, 237  
 Bollands, A. D. 93C, 377  
 Bondy, G. S. 92C, 67  
 Bone, L. W. 92C, 185  
 Booth, D. T. 92A, 207  
 Borlakoglu, J. T. 94C,  
 613  
 Bos, N. P. A. 92A, 445  
 Bottalico, A. 93C, 33  
 Bottje, W. G. 92A, 423;  
 93A, 721, 725  
 Bou, C. R. 93B, 175  
 Bouhin, H. 93B, 905  
 Bouland, C. 94B, 41  
 Boulekache, H. 93B, 471  
 Bounias, M. 94B, 53  
 Bouquegneau, J. M. 93C,  
 389  
 Bourne, G. B. 94C, 561  
 Boutignon, F. 92B, 705  
 Bowers, W. S. 92B, 137  
 Boyd, C. D. 93B, 835  
 Boyer, J. 94B, 13, 19,  
 27  
 Boynton, S. C. 93B, 99  
 Brachet, P. 94B, 157  
 Brackenbury, J. H.  
 93A, 913  
 Bradford, V. S. 93B,  
 589  
 Bradley, M. D. 94B, 85  
 Bradley, R. J. 92B,  
 385  
 Bradley, T. M. 92B,  
 555  
 Bradshaw, S. D. 92A, 521  
 Braga, V. M. M. 94B, 427,  
 807  
 Brahimi-Horn, M-C. 92B,

- 637; 93B, 529  
 Brand, S. G. 93B, 425  
 Bray, T. M. 94A, 677;  
 94C, 591  
 Brazal, S. 94A, 575  
 Breer, H. 93C, 287; 94C,  
 71  
 Bremond, P. 93B, 33  
 Brenner, R. R. 93B, 1,766  
 Breton, B. 94A, 305  
 Bretschneider, F. 94A,  
 647; 94C, 663  
 Breves, G. 93B, 413  
 Brewster, D. W. 93C, 49  
 Brezden, B. L. 93A, 69  
 Briggs, M. 94A, 195  
 Brigham, T. E. 94C, 29  
 Brinck, C. 92C, 201  
 Brindley, W. A. 94B, 661  
 Brittain, T. 92B, 303,  
 365, 587; 93B, 549  
 Brix, O. 93A, 577; 94B,  
 129, 135, 139  
 Brody, T. 94A, 693  
 Brovtsyn, V. K. 94C, 115  
 Brown, A. M. 93A, 383  
 Brown, D. 93A, 623  
 Brown, K. M. 93C, 281  
 Brown, M. C. S. 92C, 9  
 Brown, P. R. 93C, 225  
 Brown, R. D. 92A, 499;  
 92C, 315  
 Brunner, A. Jr. 94A, 525  
 Brunori, M. 93A, 319  
 Brustovetsky, N. N. 94B,
- Bubenik, G. A. 92A, 499;  
 92C, 315  
 Buchanan, K. D. 94C, 533  
 Buhler, D. R. 94C, 469  
 Buhr, M. M. 94C, 691  
 Bukhari, A. R. 93C, 303  
 Burdick, C. J. 93B, 889  
 Burghelle-Mayeur, C. 93B,  
 773  
 Burke, J. L. 93A, 489  
 Burke, R. D. 94B, 41  
 Burke, J. P. 93B, 409  
 Burleigh, B. D. 92B, 561  
 Burnell, A. M. 92B, 233  
 Burnell, D. J. 92B, 411  
 Burnett, J. W. 94B, 641  
 Burnstock, G. 94C, 111  
 Burovina, I. V. 92C, 349  
 Burris, T. E. 94B, 661  
 Burt, C. T. 94B, 679  
 Burth, P. 94C, 683  
 Burtis, L. S. 93C, 11  
 Burton, D. 93C, 313; 94C,  
 631  
 Burton, P. M. 92B, 667  
 Busch, C. 93A, 345  
 Busch, L. 93B, 543  
 Bush, L. 93B, 291  
 Bustamante, D. 92C, 319;  
 93C, 359  
 Buttemer, W. A. 94A, 21  
 Butterwith, S. C. 94A,  
 721  
 Buyukbingol, E. 92C, 109  
 Buzzell, G. R. 94A, 427

- Cabrini, L. 93B, 647  
Cacciamani, T. 93B, 591  
Cadogan, A. 93A, 47  
Cady, C. 93A, 423  
Cain, G. D. 93B, 635  
Cajaraville, M. P.  
93C, 231  
Calomenopoulou, M. 93B,  
697  
Calvayrac, R. 92B, 17  
Campbell, G. 92C, 253  
Campi, A. L. 94C, 635  
Campos, F. A. P. 92B,  
51  
Canesi, L. 93C, 389  
Canham, M. 94B, 493  
Canicatti, C. 93A, 587;  
94A, 483  
Cano, M. J. 94A, 717  
Capra, M. F. 94C, 677  
Capriglione, T. 92B, 447  
Carapetis, R. 93B, 741  
Carballeira, N. M. 93B,  
175  
Cardoen, J. 92B, 123  
Cardot, P. 94B, 171  
Carlberg, M. 92C, 201;  
94C, 435  
Carlisle, C. H. 94C, 677  
Carmona, E. 93B, 781  
Carpene, E. 92B, 463;  
93B, 193; 94C, 177, 309  
Carr, J. 94B, 367  
Carr, W. E. S. 92C, 413  
Carrasco, D. 92B, 487  
Carrillo, M. 93A, 407;  
94A, 33  
Carter, M. W. 93B, 451  
Cartwright, A. L. 94B, 355  
Carvajal, N. 94B, 195  
Casey, D. E. 93C, 421  
Casillas, E. 93C, 43  
Cassier, P. 93A, 777  
Castaldo, D. J. 94B, 521  
Castaneda-Hernandez, G.  
94C, 49  
Castedo, L. 92B, 99  
Casteels, M. 92B, 129  
Castelletti, G. 92A, 331,  
343  
Castellote, M. G. 93C, 355  
Casti, A. 94B, 581  
Castillo, R. 92A, 111  
Castro, G. 92A, 271  
Castro, J. A. 94C, 357  
Catalan, L. 93B, 911  
Cattani, O. 93B, 193;  
94B, 143  
Cattell, K. J. 92C, 333  
Ceasar, G. 93C, 73  
Celi, B. 93B, 119  
Chaar, K. 93A, 785  
Chad, J. 93A, 95  
Chalker, B. E. 93B, 601  
Chan, E. L. P. 92C, 95  
Chandler, R. W. 94B, 465  
Chang, Y. C. 92A, 171  
Chang, Y. J. 94A, 439  
Chao, W-C. 93B, 27  
Chapey, M. F. 94A, 273  
Charnock, J. S. 92A, 299  
Chaung, L-Y. 92C, 135

- Chaudhry, M. Q. 94C, 425  
 Chen, J. H. 93B, 385  
 Chen, T. 94A, 689  
 Chen, Z. 94A, 427  
 Cheng, H. M. 94B, 679  
 Cherian, M. G. 93C, 327  
 Chester, N. A. 92C, 211; 94C, 365  
 Cheung, B. 93B, 271  
 Chiles, T. C. 94B, 107  
 Chin, C. C. Q. 94B, 375  
 Chiong, M. 93B, 911  
 Chiou, S.-F. 93A, 439  
 Chiou, Y. M. 92B, 667  
 Chiu, K. W. 94C, 149  
 Cho, M. 94C, 625  
 Chou, L. M. 94A, 509  
 Choubert, G. 94B, 481  
 Chow, M. 93B, 835  
 Christensen, K. 92A, 385; 93A, 477  
 Christensen, V. L. 92B, 549; 93A, 451  
 Christophersen, C. 92B, 711  
 Chronister, R. B. 94C, 29  
 Chu, J. Y. 94C, 149  
 Church, P. J. 93A, 511  
 Churchill, H. M. 94B, 299  
 Cianciarullo, A. M. 94A, 525  
 Ciolek, E. 93B, 477  
 Cirotto, C. 92B, 103; 94A, 117, 607  
 Cissik, J. H. 92A, 327  
 Clark, A. G. 92B, 419  
 Clark, J. M. 94C, 381  
 Clarkson, A. B. Jr. 94B, 245  
 Clauss, W. 93A, 593  
 Clemens, L. E. 93C, 397  
 Clementi, E. M. 93A, 319  
 Clementi, M. E. 94B, 139  
 Coakley, J. H. 92C, 385  
 Cobb, J. S. 93C, 225  
 Cochran, D. G. 94A, 551  
 Coelho, J. R. 94A, 587  
 Cogan, U. 93B, 279; 94B, 113  
 Cohen, J. L. 93A, 433  
 Coimbra, J. 92C, 77  
 Colacino, J. M. 94B, 31  
 Cole, T. 93B, 813  
 Coll, J. C. 94C, 677  
 Collado, P. S. 93A, 403  
 Collin, S. 93B, 49  
 Collins, D. M. 92B, 283  
 Collins, P. M. 92A, 489  
 Colwell, C. S. 92A, 117  
 Commissiong, J. W. 93A, 301  
 Conceicao, M. B. 94B, 687  
 Concha, M. 92B, 787  
 Condo, S. G. 93A, 319; 94B, 129, 135, 139  
 Conlon, J. M. 93B, 359  
 Conner, R. L. 92B, 675  
 Connolly, J. G. 93A, 221  
 Constantinidis, I. 92B, 619  
 Conte, L. S. 94B, 143

- Conte, M. 94A, 731  
Contenti, S. 94C, 23  
Contestabile, A. 93C, 317  
Convit, J. 94B, 335  
Cook, B. J. 93C, 257  
Cooper, E. L. 94A, 483; 94B, 703  
Cooper, N. S. 94C, 105  
Coppellotti, O. 94C, 35  
Corda, M. 93A, 319  
Cortes, A. 94A, 261  
Cortesi, P. 93B, 193  
Corti, A. 94C, 177  
Cosby, S. L. 94C, 399  
Coscarella, A. 94B, 435  
Cosson, R. P. 94C, 243  
Cottrell, G. A. 93A, 41, 47; 94C, 321  
Coutant, C. 93A, 791  
Coviello, A. 92A, 15; 92C, 167  
Cozzi, S. 94A, 209  
Craig-Veit, C. B. 94A, 771  
Cravedi, J. P. 93B, 921  
Crespi, F. 93A, 107  
Criddle, R. S. 92B, 205; 93B, 621  
Crim, J. W. 94C, 405, 411  
Crivelli, I. 94A, 777  
Crnjar, R. 93A, 523; 94A, 257  
Cronshaw, J. 92A, 403  
Crossman, A. R. 93A, 141  
Cruickshank, S. G. H. 92C, 35, 39  
Csaba, G. 94A, 627  
Csikos, G. 92A, 285  
Cupo, M. A. 94B, 355  
Curatolo, A. 94B, 613  
Currie, G. J. 92A, 75  
Curtis, L. R. 92C, 267  
Cymborowski, B. 92A, 163; 94A, 431  
Daae, H. L. 93C, 367  
Da Costa, C. P. 92C, 405; 94A, 159  
Dafre, A. L. 92A, 467  
d'Albis, A. 93B, 355  
Dallinger, R. 92C, 355; 94C, 373  
da Matta, A. N. 93B, 391  
D'Amelio, L. 94B, 613  
D'Amelio, V. 94B, 613  
Daniel, E. 94A, 505  
Daniel, J. Y. 93B, 307  
Daniel, W. L. 94B, 125  
D'Aniello, A. 94A, 477  
Darling, T. N. 94B, 453  
Dauca, M. 92B, 763; 93B, 477  
Davalli, P. 94C, 177  
Davidoff, R. A. 92C, 205  
Davidson, W. S. 93B, 5  
Davies, D. G. 92A, 255  
Davis, S. K. 92B, 509, 623  
Davison, W. 93A, 607; 94A, 1  
Dawson, T. J. 94A, 21  
de Aguilera, E. M. 94C,

- 431  
de Caro, A. M. 93B, 793  
de Fenos, O. M. 94C, 357  
de Ferreyra, E. C. 94C,  
357  
Degand, P. 92B, 705  
De Hazan, M. 93A, 777  
De Jesus, S. 92C, 139  
de Jong, J. M. 92C, 117  
de la Noue, J. 94B, 481  
Delbecque, J. P. 94A, 431  
del Campo, A. L. G. 94A,  
623  
Del Canizo, J. F. 94A,  
717  
del Castillo, J. 94C,  
165, 547  
Del Corso, A. 94B, 469  
Dell'Agata, M. 94B, 435  
De Loof, A. 92B, 123  
de Luca, P. H. 94B, 823  
De Luna, M. G. 94C, 683  
Demarne, Y. 93B, 773  
Dembitsky, V. M. 92B,  
733  
de Moreno, J. E. A. 92B,  
271; 93B, 807  
de Muelenaere, H. J. H.  
94A, 639  
Demuynck, S. 94C, 555  
Denuce, J. M. 94A, 477  
de Perez, O. A. 94C, 357  
Depix, M. 93B, 911  
de Quiroga, G. B. 92A,  
581; 94C, 391  
Deridovich, I. I. 92C, 23  
de Santis, A. 92A, 425;  
93A, 893  
Desco, M. 94A, 717  
Deura, S. 92C, 273; 93C,  
61  
Devaux, C. 93B, 673  
Devchand, K. 94A, 639  
De Vore, D. E. 94C, 165  
Devos, P. 94B, 487  
de Vries, J. 94B, 593  
De Wachter, B. 94A, 489  
de With, N. D. 93A, 833  
de Wolf, L. 93A, 413;  
94B, 729  
Dhainaut, A. 92B, 167;  
94C, 555  
Dhur, A. 94A, 11  
Diamond, D. W. 93A, 313  
DiBartola, S. P. 94B, 175  
DiBlast, S. L. 94C, 249  
Dick, T. 94B, 65  
Dickinson, F. M. 93B, 77  
DiCola, L. P. 93A, 511  
Dietrich, C. P. 93B, 899  
Di Luccia, A. 94B, 71  
Dimberg, K. 93A, 699  
Ding, J. L. 93B, 363  
Diop, M. 94B, 91  
Dissanayake, A. S. 93B,  
857  
Di Stefano, G. 92A, 331,  
343  
Dobyns, R. J. 92A, 489  
Doble, K. E. 94C, 485  
Doi, S. 92A, 85  
Doichuanngam, K. 93C, 81

- Dokter, W. 94B, 593 447  
Dollahon, N. R. 93A, 511 Durkin, T. 93A, 273  
Donachy, J. E. 94A, 57 Durliat, M. 92B, 595  
Donahue, M. J. 94B, 715 Durst, H. D. 92C, 211  
Donner, K. 94A, 125 Dustmann, J. H. 92C, 337  
D'Onofrio, G. 94A, 477 Dutchuk, M. S. 93B, 465  
Dorsett, D. A. 94C, 567 Dux, L. 92B, 263  
Doumen, C. 93B, 883 Dwulet, F. E. 94B, 175  
Downing, D. T. 92B, 759; Dyakonova, T. L. 92C, 361  
93B, 265 Dyer, J. 94B, 801  
Drahota, Z. 94B, 631 Dytko, G. 93A, 519;  
Drewes, C. D. 94C, 515 93B, 539  
Driessens, F. C. M. 93A, Dziegielewska, K. M.  
651 92B, 569  
Droy, B. F. 94C, 303  
Drury, M. 93B, 609 Ebadi, M. 94C, 159  
Duarte, D. P. F. 92C, Ebara, A. 93A, 419; 94A,  
405; 94A, 159 471  
Duarte, J. 94A, 717 Ebert, R. H. 94B, 475  
Dubar, M. 94A, 249 Edamura, M. 93A, 711  
Dubbels, R. 93C, 307 Eddy, F. B. 92A, 241;  
Dubis, E. 93B, 437 94A, 439  
Ducancel, F. 92B, 17 Edens, F. W. 92B, 549;  
Duhaiman, A. S. 94B, 667 94A, 683  
Duncan, C. J. 92A, 133; Edwards, I. R. 93C, 121,  
94A, 667, 799 407  
Dunlap, D. G. 94A, 519 Edwards, R. H. T. 92C,  
Dunlap, W. C. 93B, 601 385  
Dunn, R. C. 92B, 385 Egea, R. 92A, 377  
Dunson, W. A. 94C, 169 Egge, H. 94B, 525  
Dupin, A. M. 94B, 237 Eggenberger, E. 94A, 111  
Du Plessis, A. 94A, 215 Eguchi, M. 93B, 443  
Dupre, R. K. 94A, 153 Ehler, W. J. 92A, 327  
du Preez, H. H. 93C, 37; El-Aaser, A. A. 93A, 285  
94C, 207 Elias, E. 94A, 787  
Durand, J. 94A, 173, Elias, M. M. 94C, 581

- Ellington, W. R. 93B, 883  
 Elofsson, R. 92C, 201;  
 93C, 307  
 El-Sayed, M. S. 93A, 913  
 El Sherbini, S. 94B, 129,  
 135  
 Elskus, A. A. 92C, 223  
 Ema, T. 93B, 517  
 Emmelin, N. 94A, 137  
 Emson, P. C. 93A, 233  
 Endege, W. O. 92B, 25  
 Enoki, Y. 93B, 935  
 Enomoto, T. 92B, 477  
 Ensor, D. 92C, 385  
 Erasmus, T. 94A, 215  
 Erdelen, M. 94A, 783  
 Erdos, M. 94B, 759  
 Eriksen, K. D. H. 94B,  
 285  
 Ermolin, G. A. 92B, 119  
 Erspamer, C. F. 94C, 455  
 Esquivino, A. I. 93C, 303  
 Etherton, T. D. 92B, 561  
 Everard, B. 93C, 313  
 Everard, B. A. 94C, 631  
 Evers, E. 92B, 375  
 Ey, P. L. 93B, 145  
 Eyssen, H. J. 92B, 129  
 Ezenwanne, E. B. 93A, 281  
  
 Fabbri, E. 94C, 327  
 Fadool, D. A. 93C, 225  
 Fairweather, I. 94C, 533  
 Falach, O. 94A, 673  
 Fallon, A. M. 93B, 803  
 Fallon, M. 93C, 73  
  
 Fang, L.-S. 93A, 439  
 Fanta, E. 93A, 819  
 Fantin, A. M. B. 94C, 327  
 Faria, M. V. C. 94C, 683  
 Farkas, T. 93B, 217  
 Farmer, J. L. 93B, 451  
 Farrell, D. J. 94A, 61  
 Fauconneau, B. 93A, 839  
 Faulder, G. C. 94B, 343  
 Fayad, S. 92B, 205, 621  
 Fedorova, I. P. 92B, 733  
 Feir, D. 93B, 799  
 Felix, D. 92C, 301  
 Feller, G. 94B, 769  
 Fellinger, E. 94B, 505  
 Fenske, M. 93A, 857  
 Fenton, M. R. 93B, 409  
 Fernandez, J. 93A, 407;  
 94A, 33  
 Fernandez-Caleya, D. 94A,  
 717  
 Fernandez-Moreno, M. D.  
 93A, 463  
 Fernandez-Ruiz, J. J.  
 93C, 303  
 Fernando, M. M. 92C, 1  
 Ferracin, A. 94B, 435  
 Ferranti, P. 94B, 71  
 Ferrara, L. 94B, 71  
 Ferrer, A. 94B, 91  
 Ferrer, O. J. 93B, 595  
 Ferretti, M. E. 94C, 327,  
 635  
 Fescemeyer, H. W. 92A, 65  
 Fetterer, R. H. 94B, 383  
 Fidler, J. 94A, 439

- Field, L. H. 93A, 729  
Finstad, B. 92A, 599  
Fiore, L. 93A, 893  
Fiorentini, D. 93B, 647  
Fischer, E. 92A, 551  
Fisher, L. C. 93C, 407  
Fisher, W. G. 94A, 41  
Fishlock, R. C. 93B, 741  
Fitzpatrick, D. W. 94C,  
691  
Fitzsimons, J. T. R.  
93A, 285  
Fletcher, T. C. 93A, 455  
Flisinska-Bojanowska, A.  
94A, 283  
Florey, E. 92C, 323  
Fogelson, L. 92C, 73  
Fone, K. C. F. 93A, 107  
Fong, W-P. 93B, 169  
Fonnum, F. 92C, 197;  
93C, 143  
Forget, M.-Cl. 94B, 487  
Forlin, L. 93B, 653  
Forster, M. E. 93A, 607  
Forsythe, I. D. 93A, 203  
Forward, R. B. Jr. 93A,  
313  
Foss, P. 92B, 277  
Foster, L. A. 93B, 635  
Fournier, B. 94A, 249  
Fragoulis, E. G. 93B,  
657  
Frair, W. 93B, 283  
Francois, J. 93B, 93  
Frandsen, J. C. 92C, 185  
Frankel, J. S. 92B, 529  
Frankie, G. W. 93B, 73  
Freire, E. 94A, 743  
Freminet, A. 94A, 221  
Fried, B. 94B, 753  
Friesen, W. O. 94C, 295  
Frohlich, D. R. 94B, 661  
Frusic, M. 94A, 167  
Fuchs, E. 92C, 337  
Fuchs, M. S. 93B, 721  
Fujii, A. 94B, 445  
Fujii, H. 94B, 149  
Fujii, R. 92A, 323; 92B,  
533; 93C, 239  
Fujiki, M. 92A, 33  
Fujisawa, Y. 93C, 381  
Fujishiro, N. 92C, 61  
Fujita, S. 94B, 845  
Fujita, T. 93C, 149  
Fujiwara, S. 93B, 213  
Fukami, J. 92C, 231  
Fukuda, H. 93C, 97  
Fukuda, K. 93C, 193  
Fukushima, M. 92C, 193  
Funakoshi, M. 92A, 181,  
185, 365, 371; 93B, 187;  
94A, 89, 263, 659  
Funase, K. 93C, 181  
Funke, B. 94B, 691  
Furuse, M. 93A, 703;  
94A, 813  
Furuyama, F. 94C, 133  
Furuyama, M. 94C, 133  
Furuyama, S. 94B, 697  
Gabrielak, T. 94B, 395  
Gabryelak, T. 92C, 5

- Gade, G. 92A, 65  
 Gadenne, C. 93A, 375  
 Gaebler, S. 92B, 631  
 Gagnon, J. 93B, 157  
 Galan, P. 94A, 11  
 Galand, G. 94B, 1  
 Gallucci, E. 93C, 33  
 Galtier, P. 94C, 81  
 Gammarota, S. 94C, 271  
 Gamundi, S. S. 92C, 167  
 Gangjee, A. 94C, 447  
 Garcia, M. V. 93A, 597  
 Garcia-Barreno, P. 94A,  
 717  
 Garcia-Pardo, L. A. 93A,  
 403  
 Garcia-Ruiz, M. A. 92B,  
 737  
 Garcia-Salguero, L. 92B,  
 67  
 Gardner, D. A. 92A, 43  
 Gardner, D. R. 93A, 69  
 Garin, D. 94A, 221  
 Garlich, J. D. 94A, 683  
 Garneau, F-X. 92B, 411  
 Garrett, J. C. 93A, 107  
 Garrett, J. R. 92A, 589;  
 94A, 137  
 Garrido, J. 93B, 911  
 Garton, D. W. 92A, 71  
 Gash, S. P. 93A, 629  
 Gaynes, B. I. 92B, 685;  
 94B, 213  
 Geaghan, J. P. 92B, 779  
 Geffard, M. 92B, 741;  
 94C, 435  
 Geiser, F. 93A, 331  
 Geiser, J. 93A, 429  
 Gelman, A. 94B, 113  
 Gelperin, A. 94C, 183  
 Gemba, T. 94C, 335  
 Genoud, M. 92A, 359  
 Gentry, P. A. 92C, 67;  
 94A, 47  
 Geppetti, L. 93A, 893  
 Gerardin-Otthiers, N.  
 93B, 49  
 Gerdai, Ch. 93B, 49;  
 94B, 769  
 Gewecke, M. 94C, 143  
 Ghebremeskel, K. 92A, 43  
 Ghosh, P. 94B, 715  
 Giannaccini, G. 94C, 271  
 Giardina, B. 93A, 319;  
 94B, 129, 135, 139  
 Giesecke, D. 92B, 631  
 Giesel, J. T. 94A, 269  
 Giesy, J. P. 94C, 235  
 Gil, J. M. 94C, 641  
 Gil, P. 92A, 581  
 Gilanpour, H. 92C, 259  
 Gill, J. 92A, 291; 93A,  
 567; 94A, 283  
 Gillespie, J. P. 94B,  
 117  
 Giraldez, F. 93A, 685  
 Girdlestone, D. 92C, 35,  
 39; 93C, 333  
 Girmis, G. R. 94C, 265  
 Glass, H. J. 94B, 607  
 Gleeson, R. A. 92C, 413;  
 93B, 595

- Glenn, J. L. 93B, 847  
Goddard, C. 92A, 565  
Gogvadze, V. G. 94B, 537  
Gomez, T. 93A, 685  
Gonzalez, J. 93A, 403  
Gonzalez, J. A. 94B, 415  
Gonzalez, R. J. 94C, 169  
Gooch, J. W. 94C, 235  
Goodman, H. O. 92A, 545  
Gordon, C. J. 92C, 73  
Gorina, I. A. 92B, 733  
Gorsline, J. 92B, 773  
Goubern, M. 94A, 273  
Gough, P. 93B, 85  
Goulombe, R. A. Jr. 94C,  
575  
Gourdoux, L. 93A, 543;  
94B, 53  
Gourlet, V. 94A, 415  
Govitrapong, P. 94C, 159  
Goyffon, M. 92B, 17; 93B,  
67  
Grabner, M. 92A, 81  
Gracy, R. W. 94B, 389  
Grady, R. W. 94B, 245  
Granath, W. O. Jr. 94B,  
543  
Graszynski, K. 92A, 601  
Greco, T. M. 94A, 531  
Green, B. 93A, 483  
Green, J. M. 93B, 5  
Green, K. A. 93A, 47  
Greenaway, P. 94B, 59  
Greenberg, M. J. 94C, 485  
Greenwood, P. G. 93A, 761  
Gregor, K. R. 94A, 41  
Grenier, J. 92B, 523  
Griffin, H. D. 94A, 721  
Griffiths, M. 94B, 775  
Griffond, B. 92C, 45  
Grigg, G. C. 92A, 609  
Grigor, M. R. 94B, 493  
Grishina, E. V. 94B, 537  
Grizzle, J. M. 93B, 589  
Grobler, E. 93C, 37;  
94C, 207  
Gromysz-Kalkowska, K.  
92C, 89; 93C, 91  
Grubb, B. R. 92A, 577  
Grubs, R. E. 94C, 255  
Grundstrom, N. 93C, 247  
Guerrero, S. 94C, 441  
Guesta, M. A. M. 94C, 431  
Guglielmino, M. L. 92B,  
637; 93B, 529  
Guidoni, A. A. 93B, 793  
Guillet, J. C. 94A, 305  
Guillette, L. J. Jr. 93A  
423  
Guillou, A. 94B, 481  
Gulseth, O. A. 92A, 599  
Gustafson, T. 94C, 1,  
15  
Gutierrez, J. 93A, 407;  
94A, 33  
Guzman, A. E. 92B, 181  
Gyuris, E. 94A, 663  
Habgood, M. 92B, 569  
Habicht, G. S. 92B, 93  
Hachimori, A. 93B, 517  
Hackman, J. C. 92C, 205

- Hadley, N. F. 94A, 749  
 Halarnkar, P. P. 92B,  
 227  
 Haley, M. V. 92C, 211  
 Hallett, K. G. 93A, 467  
 Halton, D. W. 94C, 533  
 Hamana, K. 92B, 691  
 Hamano, E. 94B, 697  
 Hamilton, M. G. 92B, 181;  
 94B, 415  
 Hammes, C. S. 94B, 779  
 Hammer, J. L. 94B, 45  
 Hammond, A. M. 92A, 54  
 Han, T. J. 93B, 485  
 Hanada, N. 93B, 213  
 Hanaoka, K. 94B, 379  
 Handy, R. D. 93A, 571  
 Hannan, Y. 93B, 371  
 Hanninen, O. 92B, 75;  
 92C, 51; 93C, 55  
 Hannotheaux, M-H. 92B,  
 645  
 Hansen, C. T. 94A, 225  
 Hansen, H. J. M. 92B, 697  
 Hansen, M. B. 94A, 315;  
 94C, 189  
 Hara, A. 94B, 445, 829  
 Harab, R. 94C, 683  
 Harb, J. 93B, 673  
 Hardeland, R. 92C, 297;  
 94C, 129  
 Hargis, P. S. 92B, 283,  
 509, 623  
 Haritos, A. A. 92B, 469;  
 94C, 63, 199  
 Harjula, R. 92A, 219  
 Harri, M. 92A, 355  
 Harris, R. C. 93A, 629  
 Hartshorne, D. J. 94B,  
 813  
 Harvath, L. 92A, 97  
 Harvey, C. 92B, 411  
 Hashemzadeh-Gargari, H.  
 94C, 295  
 Hashitani, T. 94C, 133  
 Hashizume, N. 93B, 517  
 Hasler-Rapacz, J. 93B,  
 325  
 Hatae, T. 93B, 259  
 Hatakeyama, S. 93C, 345;  
 94C, 99  
 Hatanaka, T. 92A, 505,  
 513  
 Hatano, M. 93B, 503  
 Hatch, M. 92B, 779  
 Haunerland, N. H. 92B, 137  
 Hawkey, C. M. 94B, 789  
 Hawkins, J. 93B, 425  
 Haxo, F. 93B, 339  
 Hayashi, S. 93B, 213  
 Haynes, L. W. 93A, 267  
 Heath, A. C. 94B, 715  
 Heath, M. E. 94A, 583  
 Hebanowska, E. 93B, 437;  
 94B, 723  
 Hee, P. L. 93B, 363  
 Hegarty, H. M. 93B, 929  
 Heinemann, U. 93A, 195  
 Heintz, R. 93C, 421  
 Heise, M. 92A, 125  
 Heisinger, J. F. 94C, 139  
 Helander, A. 94B, 461

- Hemila, S. 94A, 125  
Hendrickx, K. 92B, 123  
Hennessey, T. M. 94A, 25  
Hens, F. 94A, 489  
Hensley, S. H. 93A, 433  
Heppner, T. J. 94C, 515  
Heras, H. 92A, 571; 93A, 673  
Hercberg, S. 94A, 11  
Hernandez-Morales, D. 94B, 335  
Hernandez-Pascual, M. D. 94C, 261  
Herpin, P. 92B, 59  
Herrera, F. C. 92A, 195, 377  
Herron, C. E. 93A, 203  
Herskovits, T. T. 92B, 181; 94B, 415  
Hertzberg, S. 93B, 339  
Hieu, Le H. 92B, 263  
Higgins, D. A. 93B, 135  
Hilden, K. 92A, 385  
Hill, J. P. 93B, 77  
Himmelman, J. H. 92B, 411  
Hino, A. 93B, 555  
Hirabayashi, T. 92B, 609; 93B, 681  
Hirano, T. 92A, 605  
Hirata, T. 92C, 283, 289; 93C, 381  
Hiripi, L. 92C, 343  
Hissa, R. 92A, 219  
Ho, Y-W. 93B, 169  
Hocman, G. 93B, 201  
Hoeger, U. 92C, 323  
Hofer, R. 92A, 81  
Hoffmann, K. H. 92B, 35; 94B, 201  
Holck, J. T. 93B, 561  
Holden-Dye, L. 93A, 25; 93C, 413  
Holland, R. A. B. 94A, 147  
Hollander, A. L. 93B, 721  
Holler, H. 93B, 413  
Holliday, C. W. 94A, 531  
Hollywood, J. A. 93A, 845  
Holman, G. M. 93C, 257  
Holmes, K. R. 92A, 423; 93A, 725  
Holmes, R. P. 92A, 545  
Holmes, R. A. 93B, 271  
Holmes, W. N. 92A, 403; 92B, 773  
Holmgren, S. 92C, 103  
Holtenius, K. 94A, 105  
Holub, B. J. 93B, 119  
Holwerda, D. A. 92B, 375  
Honeycombe, J. 93A, 125  
Horie, S. 93B, 493; 94B, 673  
Horii, s. 93B, 443  
Horinouchi, K. 92B, 45  
Horiuchi, S. 94B, 845  
Hornby, J. E. 93B, 85  
Horowitz, M. 94A, 673  
Horsley, D. 92A, 43  
Horton, D. S. P. Q. 92B,

- 651  
**Hoshino, S.** 93A, 583  
**Houin, G.** 94C, 81  
**Houston, A. H.** 94A, 699  
**Howard, R. W.** 93C, 253  
**Howard, S. B.** 94C, 493  
**Howden, M. E. H.** 92B, 501  
**Howe-McDonald, S.** 94A, 25  
**Hoyle, C. H. V.** 94C, 111  
**Htay, H. H.** 92B, 583  
**Huberman, A.** 93B, 299  
**Hubert, M.** 92B, 17  
**Hublart, M.** 92B, 705  
**Hubsch, C.** 94A, 455  
**Huddart, H.** 94C, 499  
**Hue, B.** 92C, 175; 93C,  
87, 403  
**Huecas, V.** 94A, 201, 623  
**Huet-Duvillier, G.** 92B,  
705  
**Huff, G.** 93A, 527  
**Huggins, S. E.** 92C, 405;  
94C, 159  
**Hughes, M. G.** 92B, 143  
**Hughes, R. N.** 93A, 493  
**Hughes, W. W.** 92B, 747  
**Huie, J. M.** 94C, 575  
**Humel, H.** 94B, 729  
**Hummel, H.** 93A, 413  
**Hunaiti, A. A.** 93B, 333  
**Hurley, W. L.** 93B, 929  
**Hutchison, V. H.** 94A, 339  
**Hyde, L. L.** 94A, 53, 467  
**Hylka, V. W.** 93A, 677  
**Hyodo-Taguchi, Y.** 93B, 11  
**Iacino, L.** 92A, 331, 343  
**Iannibelli, L.** 94B, 71  
**Ibarra-Rubio, M. E.** 92B,  
399  
**Ihara, H.** 94B, 189  
**Iijima, N.** 93B, 397  
**Iizuka, E.** 93B, 517  
**Ikeda, H.** 93B, 493; 94B,  
673  
**Ikeda, K.** 94A, 333  
**Ikeda, T.** 94C, 603  
**Ilan, E.** 94A, 505  
**Imada, M.** 92C, 283, 289  
**Imbert-Establet, D.** 93B,  
33  
**Imschenetzky, M.** 94B, 241  
**Inaba, M.** 92B, 151  
**Inagaki, S.** 92B, 81  
**Innes, A. J.** 94A, 755  
**Inostroza, D.** 94B, 241  
**Insler, G. D.** 94B, 233  
**Iorio, M.** 94B, 71  
**Ip, Y. K.** 94A, 509  
**Ipata, P. L.** 94B, 469  
**Iruela-Arispe, M-L.** 93B,  
835  
**Irurzan, A.** 94C, 431  
**Isaacks, R. E.** 94A, 95  
**Isani, G.** 93B, 193  
**Iscan, M.** 92C, 109  
**Iscan, M. Y.** 92C, 109  
**Ishay, J. S.** 92C, 329  
**Ishida, Y.** 94C, 133  
**Ishikawa, T.** 93B, 107  
**Ishimoda-Takagi, T.**  
93B, 681

- Ishizuka, S. 94A, 405  
Isobe, Y. 94C, 133  
Isseroff, H. 94A, 41  
Itazawa, Y. 92A, 139  
Itoh, Y. 92B, 87; 94B,  
219  
Iturri, S. J. 94C, 173  
Iuchi, I. 93B, 11  
Ivanovic, J. 94A, 167  
Ivie, G. W. 92C, 171  
Ivy, M. T. 92C, 81  
Iwasawa, N. 93C, 381  
Iwata, H. 94B, 399, 405;  
94C, 335  
Iwatsuki, K. 92A, 101  
  
Jackson, M. J. 92C, 385;  
93A, 845  
Jacobs, D. H. 93B, 459  
Jahn, E. 94C, 183  
Jakab, A. 94B, 505  
Jallageas, M. 94A, 725  
Jamall, I. S. 94B, 323  
Jamieson, T. 94B, 837  
Jankovic-Hladni, M. 94A,  
167  
Janmot, C. 93B, 355  
Janska, H. 92B, 341  
Janssen, H. H. 92C, 355  
Jared, C. 94A, 525  
Jarlov, N. 93A, 477  
Jarzebski, A. 93B, 711  
Jaylet, A. 93C, 213  
Jeckel, W. H. 92B, 271;  
93B, 807  
Jeffery, E. H. 93C, 327  
Jeffrey, D. A. 94C, 461  
Jego, P. 94A, 305  
Jensen, J. 92C, 103  
Jensen, M. S. 93A, 195  
Jenssen, B. M. 93C, 221  
Jepson, M. A. 92C, 125  
Jerez, D. 94B, 195  
Jeronimo, S. M. B. 93B,  
899  
Jessen, C. 94A, 583  
Jewell, C. S. E. 92B, 329  
Jezewska, M. M. 94B, 361  
Jimenez, B. D. 93C, 11  
Jirsa, M. 92B, 357  
Johanning, K. M. 92B, 555  
John, A. 94A, 635  
John, P. 94C, 613  
Johnson, D. W. 92C, 211  
Johnson, K. G. 94A, 69  
Johnson, K. H. 94B, 765  
Johnson, L. A. 93A, 761  
Johnson, P. 94B, 45  
Johnstone, C. F. 94C, 533  
Joly, C. 93B, 471  
Jones, G. L. 92A, 9  
Jones, P. L. 94A, 41  
Jones, R. S. G. 93A, 195  
Jones, S. E. 92B, 569  
Jonson, J. V. 93A, 107  
Jonsson, A. -C. 92C, 103  
Jørgensen, C. B. 94A, 383  
Juarez, P. 93B, 763  
Juknat, A. A. 92B, 291  
Jung, J. 94B, 389  
Jungalwalla, F. 94B, 679  
Jurenka, R. A. 93C, 253

- Kaczanowska, E. 92C, 89;  
93C, 91
- Kadir, H. A. 94C, 465
- Kah, O. 92B, 741
- Kai-Kai, M. A. 93A, 183
- Kaise, T. 94B, 379
- Kajiura, H. 94B, 739
- Kakihara, K-I. 92B, 477
- Kallman, K. D. 94B, 465
- Kalomenopoulou, M. 92A,  
215
- Kalous, M. 94B, 631
- Kaloyianni, M. 93B, 697
- Kam, J. 92C, 329
- Kamerik, G. 93A, 833
- Kamiya, S-i. 92B, 481
- Kanaan, S. 93B, 391
- Kanaide, H. 92A, 61
- Kanazawa, A. 92B, 45
- Kandaswami, C. 93C, 269
- Kandler, R. L. 92B, 619
- Kanoh, H. 94B, 561
- Kanui, T. I. 93A, 473
- Kapoulas, V. M. 93B, 113
- Karasawa, A. 94C, 93
- Karasinski, J. 92B, 727
- Karlsson, J-O. 93B, 403;  
93C, 247
- Kase, F. 92A, 31
- Kassel, L. 94B, 201
- Kass-Simon, G. 93C, 225
- Kasukawa, H. 92B, 533;  
93C, 239
- Katagiri, Y. U. 93B, 259
- Kato, Y. 92A, 107
- Katoh, K. 94A, 805
- Katsukawa, H. 93B, 187;  
94A, 89
- Katsumata, Y. 92B, 583;  
94B, 647
- Kattner, G. 94B, 185
- Katz, U. 93A, 499
- Kaushik, S. 94B, 481
- Kaushik, S. J. 93A, 839
- Kawaguchi, Y. 94B, 149
- Kawai, J. 93B, 107
- Kawai, N. 92C, 309
- Kawashima, H. 94B, 697
- Kawata, H. 92C, 61
- Kay, J. 92C, 15
- Kayama, M. 93B, 397
- Keen, J. E. 94A, 699
- Kelly, C. 94B, 807
- Kelly, M. E. M. 93A, 133
- Kemali, M. 92C, 217, 425
- Kemenes, G. 94A, 735
- Kemp, R. B. 94B, 801
- Kempa-Tomm, S. 94B, 201
- Kench, J. E. 93A, 877
- Kennedy, P. M. 94A, 635
- Kennedy, T. 93B, 291
- Kerkut, G. A. 93A, 9, 151
- Kerley, G. I. H. 92B,  
361; 94A, 215
- Kessi, E. 94B, 195
- Kettlun, A. M. 93B, 911
- Keung, W-M. 93B, 169
- Keymer, I. F. 92A, 43
- Khachatourians, G. C. 94B,  
117
- Khan, H. R. 94A, 653
- Kharazova, A. D. 94B, 621

- Khoja, S. M. 94B, 269  
Khotimchenko, Yu. S. 92C,  
23  
Kido, R. 93B, 107  
Kierdorf, H. 94A, 783  
Kierdorf, U. 94A, 783  
Kihara, M. 94A, 37  
Kijimoto-Ochiai, S. 93B,  
259  
Kikuchi, T. 92B, 255  
Kilarski, W. 92B, 727  
Kim, H. L. 92C, 171  
Kim, K. H. 92C, 273; 93C,  
61  
Kimura, S. 94B, 349  
King, A. E. 93A, 171  
Kingsley, R. J. 94B, 651  
Kinoshita, M. 92B, 715  
Kinsler, S. 93A, 721  
Kirby-Smith, W. 93A, 313  
Kirkland, J. B. 94C, 591  
Kishimoto, Y. 92B, 369  
Kita, H. 94A, 539  
Kitamura, S. 92B, 369;  
94A, 713  
Kitaoka, S. 92B, 477;  
94B, 797  
Kitasato, H. 93C, 149  
Kleinow, K. M. 94C, 303  
Kleinow, W. 93B, 565  
Klemcke, H. G. 92A, 197  
Klinot, J. 92B, 357  
Klinotova, E. 92B, 357  
Kluve-Beckerman, B. 94B,  
175  
Knight, G. E. 93C, 111  
Knipper, M. 93C, 287  
Knowles, C. O. 94C, 465  
Kobayashi, K. 92A, 129;  
92C, 193  
Kobayashi, K-i. 94B, 845  
Kobayashi, M. 92A, 33;  
92C, 283; 93C, 381  
Kobayashi, N. 93C, 345  
Kobayashi, Y. 93A, 583  
Koburger, J. A. 93B, 595  
Kodama, H. 94C, 93  
Koike, K. 92C, 419  
Koike, T. I. 93A, 721  
Koike, T. K. 92A, 423  
Koliakos, G. 92A, 215  
Komosa, M. 94A, 283  
Kompanowska-Jezierska, E.  
94A, 283  
Komuves, L. 92A, 285  
Kondo, N. 94B, 189  
Konno, K. 92B, 481  
Konosu, S. 93B, 255  
Koopmann, G. E. 92B, 291  
Kopp, S. J. 93B, 575  
Korhonen, H. 92A, 355  
Kornprobst, J-M. 94B, 91  
Korsch, J. P. 94A, 783  
Korsgaard, B. 93B, 57  
Korshunova, G. A. 94B,  
237  
Koshio, S. 92B, 45  
Koskelainen, A. 94A, 125  
Kotler, M. L. 92B, 291  
Kovacs, A. L. 94B, 505  
Kovacs, J. 92A, 285;  
94B, 505

- Kovacs, P. 94A, 627  
 Kowalczyk, C. 93A, 899  
 Koyama, T. 93B, 517  
 Krajniak, K. G. 94C,  
 485, 561  
 Krasowska, A. 94C, 313  
 Krattenmacher, R. 93A,  
 593  
 Krauskopf, M. 92B, 787  
 Krauthamer, V. 92A, 429  
 Krautmann, B. A. 94A,  
 659  
 Krca, S. 92C, 371  
 Kriesten, K. 94B, 525  
 Krishnaveni, P. 94A, 509  
 Krogsgaard-Larsen, P.  
 92C, 391  
 Krohmer, R. W. 92A, 541  
 Kubicz, A. 92B, 341  
 Kubo, K. 92C, 273; 93C,  
 61  
 Kuboki, T. 93C, 29  
 Kubota, I. 92C, 283,  
 289; 93C, 381  
 Kucera, K. 92B, 357  
 Kucera, M. 94B, 85  
 Kuhara, T. 94A, 805  
 Kuhle, K. 93B, 565  
 Kuhnhen, G. 94A, 583  
 Kumar, S. 93C, 269  
 Kumazawa, T. 92B, 347;  
 93C, 167  
 Kunova, P. 94C, 41  
 Kupsh, C. C. 92C, 55  
 Kuramoto, T. 93A, 419  
 Kurelec, B. 92C, 371  
 Kurihara, K. 92A, 107  
 Kurita, M. 94B, 739  
 Kuzuyama, S. 92B, 351  
 Kyriakides, M. 93A, 861  
 LaBarbera, M. 93A, 391  
 Lacko, A. G. 94B, 389  
 Lafitte, J-J. 92B, 645  
 Lai, P.-S. 93B, 859  
 Lam, T. J. 93B, 363  
 Lambert, J. D. C. 93A, 195  
 Lamberti, V. 94B, 79  
 Laming, P. R. 94A, 555;  
 94C, 399  
 Lamy, J. N. 93B, 67  
 Lanciani, C. A. 94A, 269  
 Landi, L. 93B, 647  
 Landis, W. G. 92C, 211;  
 94C, 365  
 Landrey, J. R. 92B, 675  
 Langman, M. 92A, 555  
 Larsen, C. 92B, 711  
 Laszlo, L. 94B, 505  
 Laub, R. J. 94B, 329  
 Lavenseau, L. 93A, 375  
 Laverack, M. S. 93A, 53  
 Lawn, I. 94C, 677  
 Lazou, A. 92B, 175; 93B,  
 247  
 Lazzarino, G. 94B, 139  
 Leake, L. D. 93A, 63  
 Leal, A. M. 92C, 405;  
 94A, 159  
 Lech, J. J. 94C, 303  
 Lechner-Doll, M. 93B, 413  
 Le Coz, J. R. 93B, 307

- Lee, C. Y. 92C, 279;  
93B, 169
- Lee, J-H. 92B, 323
- Lee, K-S. 92B, 323
- Lee, S-C. 93B, 27
- Lee, T. D. 94C, 485
- Lefebvre, B. 93B, 471
- Legardere, J. P. 92A, 49
- Leger, D. 92B, 645
- Leggett, S. L. 94B, 575
- Le Goff, D. 93B, 371
- Lehmann, C. 94A, 173
- Leibel, W. S. 93B, 99;  
94B, 753
- Leighton, F. A. 94C, 461
- Lekka, M. E. 93B, 113
- Lelkes, G. 92B, 263
- Le Menn, F. 92B, 741
- Lemercerre, C. 94A, 415
- Lenel, R. 92A, 111
- Lennard, R. 94C, 499
- Lensky, Y. 93A, 777
- Lequellec, Y. 93A, 543
- Lerner, J. 93C, 1
- Lesca, P. 93C, 213
- Lesh-Laurie, G. E. 94C,  
249
- Leslie, S. 92A, 305
- Letelier, M. E. 94C, 87
- Levy, J. A. 94B, 423,  
687
- Leyko, W. 94B, 395
- Liaaen-Jensen, S. 92B,  
239, 277; 93B, 339
- Lidgren, G. 92B, 711
- Lin, C-Y. 92B, 143
- Lin, W. W. 92C, 279
- Lind, A. 92C, 175
- Linder, R. 94C, 105
- Lindqvist, O. V. 92B,  
75
- Lindstrom-Seppa, P.  
92C, 51; 93C, 55
- Linser, P. J. 93A, 433
- Liptrap, R. M. 94A, 47
- Liscia, A. 93A, 523;  
94A, 257
- Liston, J. 93B, 485
- Littleton, J. T. 92C,  
413
- Littlewood, D. T. J.  
93A, 395, 773
- Livingstone, D. R. 94B,  
299
- Lluch, S. 94C, 431
- Lobel, P. B. 92C, 189
- Lochmiller, R. L. 93A,  
535
- Lockshin, R. A. 94B, 323
- Lockwood, J. A. 92A, 65
- Loeb, M. 94B, 85
- Logan, R. I. 92B, 637
- Lombardo, M. E. 92B, 297
- Long, K. O. 94B, 641
- Long, S. K. 93A, 177
- Lonsdale-Eccles, J. D.  
92B, 25
- Loos, W. J. G. 94C, 663
- Lopez, G. A. 94A, 575
- Lopez, I. 92A, 195, 377
- Lopez, J. 93B, 911
- Lopez, M. M. 93B, 847

- Lopez, N. 94A, 575

Lopez-Torres, M. 92A, 581; 94C, 391

Lorkovic, H. 94C, 285

Lorenzo, A. 93A, 685; 94A, 209

Lou, Y-H. 94B, 829

Loughnan, M. 94B, 775

Lovejoy, D. A. 92B, 111

Lowe, K. C. 93C, 377; 94C, 345

Lubansky, H. J. 92A, 21

Lubben, I. 92A, 393

Lubet, P. 93B, 21

Lucacchini, A. 94C, 271

Lucchiari, P. H. 92B, 313; 93A, 819

Lucu, C. 92A, 415

Luer, C. A. 94C, 447

Luftmann, H. 93B, 689

Lumb, R. H. 94B, 575

Lunt, G. C. 92C, 9

Luo, D. 93B, 615

Lupianez, J. A. 92B, 67

Lustick, S. I. 92A, 473

Lythgoe, J. N. 94C, 351

McAdoo, D. J. 92B, 143

McAsey, M. E. 93A, 423

McAuslane, H. J. 93B, 73

McCall, K. E. 94A, 799

McClintock, J. B. 93A, 695

McConathy, W. J. 93B, 325

McCorkle, F. M. 94C, 511

McCrohan, C. R. 92C, 377; 93A, 861; 93C, 333

McElligott, M. A. 92C, 135

McEwan, J. 94B, 493

McKeown, B. A. 94A, 791; 93B, 615

McKinnon, C. N. 92B, 9

McKnight, B. J. 92A, 565

McLennan, P. L. 92A, 299

McMurchie, E. J. 93A, 331

McMurtry, J. 92B, 659; 93A, 337

McMurtry, J. P. 94B, 49

McSweeney, C. S. 94A, 635

MacArthur, R. A. 93C, 105

Macdonald, A. A. 93A, 467

Macdonald, N. L. 94B, 607

MacDonnell, M. F. 94C, 493

Machado, J. 92C, 77

Machemer, H. 94A, 365

Madeja, M. 94C, 585

Madsen, S. S. 94A, 277

Maeda, O. 92C, 419

Maede, Y. 92B, 151

Magni, G. 93B, 591

Mahmoud, I. Y. 93A, 423

Mak, A. 92A, 555

Makabe, K. 93B, 255

Makarova, I. E. 92B, 119

Makary, M. 92C, 171

Makinodan, Y. 92B, 577, 715

Makris, V. 92A, 259

Malamas, M. 94C, 671

Malinski, E. 93B, 437; 94B, 723

- Maloiy, G. M. O. 93A, 597  
473
- Malotka, J. 92B, 369
- Manabe, S. 92A, 129
- Mancilla, M. 93B, 911
- Mangiabene, C. 94C, 23
- Mannaerts, G. P. 92B, 263  
129
- Mantel, P. 92C, 117, 213  
175
- Mao, S-H. 93B, 283
- Maoka, T. 92B, 41, 247; 93B, 665, 829
- Marchalonis, J. J. 92B, 407  
93
- Marchington, J. M. 94B, 225
- Marco, L. A. 94C, 29
- Marcos, E. 94B, 171
- Marder, J. 92A, 91; 94A, 395
- Maresca, A. 94B, 631
- Margulis, B. A. 94B, 621
- Marigomez, J. A. 93C, 94C, 335  
231; 94C, 641
- Mariscal, R. N. 93A, 761
- Marlin, D. J. 93A, 629
- Marmary, I. 94A, 673
- Marsden, C. A. 93A, 107
- Marselos, M. 94C, 671
- Marshall, A. T. 93B, 425
- Marshall, M. R. 93B, 595
- Marszalek, J. 94B, 555
- Marti, M. T. 92A, 211
- Martin, K. F. 93A, 107
- Martin-Barrientos, J. 93A, 591;
- Martinez, A. 93B, 61
- Martinez, M. 93B, 847
- Martinez, M. C. 94C, 431
- Martini, C. 94C, 271
- Marttila, O. N. T. 92A, 263
- Marty, J. 93C, 213
- Mas, N. 94A, 725
- Masaracchia, R. A. 94B, 715
- Mason, C. H. 94C, 169
- Mason, R. W. 93C, 121, 407
- Massone, R. 94B, 241
- Matharoo, B. 94B, 343
- Mathews, T. D. 94A, 693
- Mathisen, S. 94B, 129, 135
- Mathiu, P. M. 93A, 707
- Matkovics, B. 94B, 395
- Matsuda, S. 94A, 813
- Matsuda, T. 94B, 399, 405; 94C, 335
- Matsumoto, H. 93B, 397
- Matsumoto, K. 93C, 97
- Matsumura, F. 93C, 49; 94C, 381
- Matsunaga, C. 93A, 707
- Matsunaga, N. 94A, 805
- Matsuno, T. 92B, 41, 189, 247; 93B, 665, 829
- Matsuoka, N. 92B, 1
- Matsuoka, T. 93C, 61
- Matsushima, O. 94A, 653
- Matsuzaki, S. 92B, 691;

- 93A, 583  
 Mattacks, C. A. 92A, 455;  
 94B, 225  
 Maule, A. G. 94C, 533  
 Maurel, D. 93A, 791  
 Maurice, D. V. 94B, 521  
 Mauro, N. A. 94A, 95  
 Mayevsky, E. I. 94B, 537  
 Mazur, A. 94B, 171  
 Mazzucotelli, A. 93C, 389  
 M'Beri, M. 94C, 555  
 Mecham, R. 93B, 835  
 Medina, J. M. 93A, 597  
 Meflah, K. 93B, 673  
 Meignen, J. M. 94B, 13,  
 19, 27  
 Mendonca-Previato, L.  
 92B, 705  
 Merat, P. 93B, 773  
 Merchant, J. 93A, 483  
 Mercier, L. 94B, 27  
 Merkle, S. 94B, 783  
 Mersmann, H. J. 92B, 493;  
 94B, 709; 94C, 619  
 Messer, M. 93A, 483; 94B,  
 775  
 Meyer, H. H. 93B, 465  
 Meyran, J-C. 93B, 905  
 Micelli, S. 93C, 33  
 Michaelidis, B. 93B, 247  
 Michaelis, O. E. IV. 94A,  
 225  
 Michelacci, Y. M. 92B,  
 651  
 Midtgard, U. 93A, 399  
 Miglietta, A. 94A, 483  
 Mihok, S. 94A, 289  
 Mikalsen, A. 93C, 367  
 Milanovic, M. 93B, 629  
 Milenov, K. 94C, 649  
 Milici, N. 92C, 217,  
 425  
 Millam, J. R. 94A, 771  
 Miller, K. 93B, 251  
 Miller, S. 92B, 605  
 Milosevic, I. 93C, 161  
 Minamisako, K. 94B, 349  
 Minton, S. A. 93B, 847  
 Miralles, A. 93C, 321  
 Miralles, J. 94B, 91  
 Mita, M. 92B, 319  
 Mitjavila, M. T. 92A,  
 211  
 Miura, K. 92B, 197;  
 94B, 189  
 Miwa, A. 92C, 309  
 Miyamoto, T. 92A, 435;  
 94A, 591  
 Miyatake, K. 92B, 477  
 Miyazaki, J-I. 93B, 681  
 Mizushima, T. 94B, 445  
 Moal, J. 93B, 307  
 Mochida, K. 93C, 29, 193  
 Modica, A. 94B, 613  
 Moe, A. J. 93A, 845  
 Moed, P. J. 92A, 445  
 Mohell, N. 94C, 229  
 Mokady, S. 93B, 279;  
 94B, 113  
 Moles, A. 93C, 155  
 Molinaro, P. J. 94A, 531  
 Molnar, L. 92A, 551

- Moloo, S. K. 92B, 25 823  
Moncada, C. 94C, 87 Munks, S. 94B, 775  
Mononen, J. 92A, 355 Munn, B. J. 94A, 569  
Monteoliva, M. 92B, 737 Munoz, M. E. 93A, 403  
Mons, N. 94C, 435 Muntz, L. 93B, 85  
Moore, A. J. 94A, 587 Mura, U. 94B, 469  
Morales, M. 94C, 547 Murakami, A. 94A, 347,  
Moran, P. J. 92B, 637 375  
Moran, R. M. 94B, 607 Murakami, H. 93C, 189;  
Moreau, R. 93A, 543; 94B, 94C, 341  
53 Muramatsu, T. 92A, 313,  
Morello, A. 94C, 87, 441 319; 92B, 351; 93A, 703  
Morena, D. D. S. 94A, 525 Murawski, U. 94B, 525  
Morena, P. 94A, 525 Murayama, K. 93C, 149  
Morena, J. J. 93C, 355 Murphy, L. C. 94C, 691  
Moreno, V. J. 92B, 271; Mutairy, A. R. 93B, 857  
93B, 807 Myazina, E. M. 94C, 115  
Morgan, A. J. 92C, 15 Myers, J. P. 92A, 271  
Morgan, J. E. 92C, 15 Myers, M. S. 93C, 43  
Mori, A. 92A, 129  
Mori, K. 92B, 455 Nachman, R. J. 93C, 257  
Mori, N. 92B, 537 Nader, H. B. 93B, 899  
Mori, T. 93B, 255 Nagaishi, H. 92A, 323;  
Morio, Y. 94C, 121 93C, 67  
Morovati, A. 94B, 703 Nagata, K. 94B, 561  
Morris, C. E. 92A, 479 Nagayama, F. 92B, 405;  
Morris, D. J. 92B, 773 93B, 379  
Morris, S. 94B, 59 Nagel, A. 92A, 409  
Mortimer, K. 94A, 663 Nakagawa, T. 92B, 405;  
Motta, G. 93B, 67 93B, 379  
Mounzih, K. 92C, 45 Nakajima, S. 94B, 219  
Moy, G. W. 92B, 381 Nakamura, M. 92A, 61;  
Muje, P. 92B, 75 94B, 149  
Muneoka, Y. 92C, 283, Nakamura, S. 94B, 647  
289; 93C, 381; 94C, 603 Nakamura, T. 93C, 29,  
Munilla-Moran, R. 93B, 193

- Nakano, Y. 94B, 797  
 Nakazawa, S. 92A, 613  
 Nassar, C. F. 92A, 153  
 Nassel, D. R. 94C, 435  
 Nastuk, W. L. 93C, 137  
 Natalini, P. 93B, 591  
 Natividad, M. 94A, 575  
 Natochin, Yu. V. 94C,  
 115  
 Naude, R. J. 93B, 181  
 Nawrot, J. 93B, 437;  
 94B, 723  
 Neal, J. W. Jr. 93C, 253  
 Nedergaard, J. 94C, 229  
 Negre-Sadargues, G.  
 92A, 111  
 Neldon, H. L. 92A, 423;  
 93A, 721  
 Nemcsok, J. 92B, 263;  
 94B, 395  
 Nenadovic, V. 94A, 167  
 Nette, G. W. 93B, 425  
 Neuteboom, B. 94B, 587,  
 593  
 Newgrain, K. 93A, 483  
 Newman, D. G. 93B, 223  
 Newmark, J. 94A, 183  
 Nicholas, K. 94B, 775  
 Nicholls, D. M. 94C, 265  
 Nickson, N. C. 92B, 385  
 Nicolas, M.-T. 93C, 127  
 Nicotra, A. 92C, 401  
 Nielsen, M. O. 92A, 385;  
 93A, 477  
 Nielsen, P. H. 92B, 711  
 Niemuller, C. 94A, 47  
 Nienaber, J. A. 92A, 197  
 Nightingale, W. D. 93A,  
 85  
 Nikiforov, V. A. 92C, 349  
 Nikinmaa, M. 92A, 263  
 Nilssen, K. J. 92A, 599  
 Nilsson, E. 93B, 403;  
 94B, 99  
 Nilsson, G. E. 92C, 263;  
 94C, 223  
 Nilsson, S. 93A, 561  
 Ning-Zhen, S. 92A, 593  
 Ninomiya, M. 92A, 33  
 Ninomiya, Y. 92A, 185,  
 365, 371; 93B, 187;  
 94A, 89, 263  
 Nishi, H. 92A, 323  
 Nishikawa, M. 94C, 595  
 Nishimura, K. 93C, 149  
 Nishino, C. 92A, 129;  
 92C, 193  
 Nishino, H. 94C, 133  
 Niso, R. 93C, 317  
 Noakes, D. E. 94A, 765  
 Noguchi, T. 93B, 213  
 Nomura, K. 94B, 739  
 Nomura, T. 93C, 171, 349;  
 94C, 595  
 Norey, C. G. 92C, 15  
 Norstrom, R. J. 94C, 461  
 Noseworthy, R. 93C, 327  
 Nouvelot, A. 93B, 21,  
 371  
 Novak, J. Jr. 94C, 543  
 Novales-Li, P. 93C, 263  
 Nozawa, Y. 94B, 561

- Nunamaker, R. A. 92B, 9  
 Nuutinen, M. 94B, 129  
 Oates, K. K. 94B, 759  
 O'Brien, A. J. 93B, 549  
 O'Brien, T. D. 94B, 765  
 Ochiai, T. 92A, 33; 93B,  
 555, 935  
 O'Connor, M. L. 92A, 545  
 Oda, S. 94A, 805  
 Odierna, G. 92B, 447  
 Odintsova, N. A. 93B, 163  
 Oelofsen, W. 93B, 181;  
 93C, 275  
 Ogata, H. 94A, 713  
 Ohara, K. 94C, 133  
 Ohfune, Y. 93C, 263  
 Oh-Ishi, M. 92B, 609  
 Ohkusa, M. 92A, 435  
 Ohta, A. 94B, 673  
 Ohta, M. 94A, 99, 405,  
 805  
 Ojanen, M. 92A, 219  
 Okada, Y. 92A, 435;  
 94A, 591  
 Oksman, P. 93B, 437  
 Okuda, A. 92A, 613  
 Okumura, J. 92A, 313,  
 319  
 Okumura, J-i. 92B, 351;  
 93A, 703; 94A, 813  
 Okuno, E. 93B, 197  
 Okuyama, H. 93B, 259  
 Olcese, J. 93A, 655  
 Olembø, N. K. 92B, 25  
 ole-MoiYoi, O. K. 92B,  
 25  
 Oliver, J. E. 93C, 253  
 Oliver, S. P. 92B, 157  
 Olmo, E. 92B, 447  
 Olmos, G. 93C, 321  
 Omatsu, M. 93C, 149  
 Omorphos, S. A. 94B, 789  
 O'Neill, J. K. 94C, 399  
 Ono, H. 93C, 97  
 Onozuka, M. 92C, 273  
 Oppenheimer, S. A. 93B,  
 99; 94B, 753  
 Orell, M. 92A, 219  
 O'Riordan, V. B. 92B,  
 233  
 Orlandini, G. 94B, 581  
 Oron, Y. 94A, 673  
 Orosz, A. 94B, 505  
 Orson, N. V. 93A, 285  
 Orunesu, M. 93B, 747;  
 93C, 389  
 Osada, K. 93B, 503  
 Osada, M. 93C, 171,  
 349; 94C, 595  
 Osborne, R. H. 92C, 333  
 Oshima, N. 92A, 323;  
 92B, 533; 93C, 67, 207,  
 239  
 Osipenko, O. N. 94C, 655  
 Osman, A. M. 94B, 469  
 Ozeki, T. 94B, 697  
 Ozoe, Y. 93C, 29, 193  
 Paakkonen, A. 94C, 277  
 Paeile, C. 92C, 319; 93C,  
 359

- Paganelli, C. V. 92A, 619; 93A, 807
- Page, T. L. 92A, 117
- Pagliuca, G. 92B, 755; 93B, 819
- Pallias, J. D. 94C, 105
- Palyga, J. 94B, 511
- Panara, F. 92B, 751; 93B, 877
- Paparo, A. A. 93A, 601; 93C, 111
- Pareschi, M. C. 94C, 635
- Parish, E. J. 93B, 589
- Park, C. W. 94C, 625
- Park, Y. B. 94B, 389
- Parmentier, G. 92B, 129
- Parry, D. L. 93B, 425
- Partali, V. 92B, 239
- Partanen, J. 94C, 277
- Partridge, J. C. 94C, 351
- Pascolini, R. 92B, 751; 93B, 877; 94C, 23
- Pass, M. A. 94C, 677
- Passeron, S. 94B, 635
- Pastier, D. 93B, 371
- Patak, A. 94A, 663
- Patel, S. 93A, 745
- Paul, M. J. 93B, 889
- Paveto, C. 94B, 635
- Payne, M. 92C, 253
- Peacock, M. A. 93A, 617
- Peakall, D. B. 94C, 461
- Pearson, M. R. B. 94A, 401
- Peddemors, V. M. 94A, 639
- Pedraza-Chaverri, J. 92B, 399
- Pelissier, T. 92C, 319; 93C, 359
- Pellegrini, D. 94C, 309
- Pellegrini, M. G. 93A, 319
- Peltonen, L. M. 92A, 91
- Pena, A. 94C, 173
- Pena, J. C. 92B, 399
- Pendleton, R. 94C, 29
- Pener, M. P. 92B, 133; 94B, 293
- Pennec, J. P. 92A, 49
- Pentreath, V. W. 93A, 77
- Perdu-Durand, E. F. 93B, 921
- Peres, G. 92C, 5; 93A, 785
- Perez, J. 94A, 33
- Perez, J. C. 93B, 847
- Perez-Campo, R. 94C, 391
- Perona, R. 94A, 231
- Perramon, A. 94A, 415
- Pertica, M. 93C, 389
- Perumal, A. S. 93C, 421
- Peters, R. C. 94A, 647; 94C, 663
- Petersen, I. 93B, 57
- Petersen, C. G. 94B, 823
- Petit, E. 93B, 371
- Petit, P. 94C, 521
- Pettit, T. N. 93A, 807
- Pezzementi, L. 92B, 385
- Pfluger, H.-J. 93A, 729
- Phansuwan-Pujito, P.

- 94C, 159  
Phleger, C. F. 94B, 329  
Picarelli, Z. P. 93B, 781  
Picarro, I. C. 94A, 743  
Piccolino, M. 94C, 271  
Picken, C. A. 94C, 691  
Piek, T. 92C, 117, 175; 93C, 87, 403  
Pierobon, P. 92C, 217  
Pietra, P. 93A, 523  
Pihlaja, K. 93B, 437; 94B, 723  
Ping, X. G. 94C, 321  
Pinkney, A. E. 92C, 125  
Piretti, M. V. 92B, 755; 93B, 753, 819  
Pischetola, M. 94A, 477  
Pistore, R. 92B, 755  
Pitkanen, A. 94C, 277  
Pitman, R. M. 92C, 237, 245; 93C, 85  
Piulachs, M-D. 94A, 795  
Pizarro, J. 94A, 777  
Planas, J. 92A, 211; 93A, 407  
Plaza-Yglesias, M. 92A, 195  
Poirier, G. 93B, 673  
Polegre, M. A. 94B, 335  
Pollakis, G. 94B, 245  
Pollero, R. J. 92A, 571; 93A, 673  
Pond, C. M. 92A, 455; 94B, 225  
Pond, W. G. 92A, 197  
Porchet-Hennere, E. 94C, 555  
Porter, D. C. 92B, 381  
Portet, R. 94A, 273  
Portolan, A. 94C, 635  
Pospisil, J. 92A, 31  
Potts, W. T. W. 92A, 235, 241, 247  
Power, D. M. 92B, 517  
Powell, J. R. 93B, 721  
Prado, E. S. 93B, 781  
Prast, J. E. 93A, 691  
Preminger, N. K. 93A, 327  
Prentø, P. 92A, 229; 93B, 509  
Prevost, V. 94C, 215  
Price, D. A. 94C, 485  
Price, E. 94A, 515  
Price, N. R. 94C, 419, 425  
Prieto, J. C. 93A, 463  
Primmett, D. R. N. 92A, 241, 247  
Principato, G. B. 94C, 23  
Prinzinger, R. 92A, 393  
Prior, D. J. 94A, 73  
Prochazka, J. 94B, 631  
Proctor, G. B. 92A, 589; 94A, 137  
Prodohl, P. A. 94B, 423  
Proscurshim, P. 94A, 743  
Prosper, C. L. 93A, 309  
Proto, M. C. 92C, 167  
Proudman, J. 93A, 337  
Prunett, P. 92A, 247  
Puceat, M. 94A, 221

- Puchi, M. 94B, 241  
 Puel, J. L. 93C, 73  
 Puerta, M. L. 94A, 201,  
     623  
 Puigserver, A. 94B, 157  
 Puiroux, J. 93A, 543;  
     94B, 53  
 Pulido, R. M. 94A, 201  
 Pullin, A. S. 94A, 499  
 Punzo, F. 93A, 527, 751,  
     757  
 Pusey, B. J. 92A, 137  
 Pyornila, A. 92A, 219  
  
 Quackenbush, L. S. 94B,  
     253  
 Qualls, C. W. Jr. 94C,  
     543  
 Queralt, J. 93C, 355  
 Quinitio, E. T. 94B, 445  
 Quinoa, E. 92B, 99  
 Quintanilla-Hernandez, T.  
     B. 93B, 847  
  
 Raae, A. J. 93B, 317  
 Rabilloud, T. 92B, 17  
 Radhakrishna, G. 94B, 375  
 Radtke, R. L. 92A, 189  
 Raffaelli, N. 93B, 591  
 Rahimian, P. 94B, 703  
 Rajjo, I. M. 94C, 405,  
     411  
 Rakkah, N. I. A. 93A, 151  
 Rakovska, A. 94C, 649  
 Ralph, M. M. 93A, 489  
 Ram, J. L. 92C, 131;  
  
 93A, 745  
 Ram, M. L. 92C, 131  
 Ramsey, A. J. 93B, 77  
 Rans, M. 92B, 123  
 Rapacz, J. 93B, 325  
 Rauchova, H. 94B, 631  
 Ravellon, B. 94C, 555  
 Raven, P. D. 93C, 377  
 Ravestein, H. 93A, 413  
 Rayssiguier, Y. 94B, 171  
 Reader, M. 92B, 569  
 Reali, N. 94B, 581  
 Reboreda, J. C. 93A, 505  
 Redondo, J. L. 92A, 403  
 Reed, T. F. 94C, 29  
 Rees, J. F. 94C, 521  
 Regnault, M. 92B, 721  
 Reid, D. G. 92A, 535  
 Reid, K. H. 94A, 183  
 Rein, H. 93C, 55  
 Reiner, Z. 93B, 325  
 Reineskog, M. 94C, 695  
 Reiter, R. J. 94A, 427  
 Reitze, M. 93A, 549;  
     93B, 689  
 Rejman, J. J. 93B, 929  
 Renaud, F. L. 92C, 139  
 Rensink, H. 94B, 593  
 Repetto, Y. 94C, 87  
 Rez, G. 94B, 505  
 Reznik, L. V. 94C, 115  
 Rhodes, D. H. 93A, 445  
 Ribera, A. B. 93C, 137  
 Rice, G. E. 93A, 489  
 Rice, S. D. 93C, 155;  
     94C, 289

- Rice-Evans, C. 94B, 789 643  
Richards, M. P. 93A, 811; 93B, 561  
Richardson, M. A. 93C, 421  
Rickart, E. A. 92A, 531  
Ricke, L. A. 92B, 251  
Ridge, R. M. A. P. 93A, 115  
Riekkinen, P. J. 94C, 277  
Riguera, R. 92B, 99  
Rivett, D. E. 93B, 529  
Riviere, J. L. 93C, 213  
Robertson, J. D. 93A, 799; 94A, 493  
Robinson, G. A. 92C, 55  
Roche, H. 92C, 5; 93A, 785  
Rodrigues, A. L. 94B, 65  
Rodrigues, E. 92B, 307, 313  
Rodriguez, J. V. 94C, 581  
Rodriguez, F. 94A, 717  
Rodriguez, J. N. 92B, 741  
Roeder, T. 94C, 143  
Rogers, J. O. 93B, 39  
Rombough, P. J. 92A, 279  
Ronald, K. 93B, 119  
Rong, D. L. 94B, 149  
Rosa, C. D. 92B, 313  
Rosa, R. 92B, 307, 313  
Rosebrough, R. 92B, 659; 93A, 337  
Roseghini, M. 94C, 455  
Rosenberg, G. D. 92B, 747  
Rosenmann, M. 94A, 261,  
Rosi, G. 94C, 23  
Ross, M. H. 94A, 551  
Ross, M. L. 94A, 47  
Rossetti, M. V. 92B, 297  
Rossini, A. 94C, 683  
Rotermund, A. J. Jr. 92A, 259  
Roussel, P. 92B, 645  
Rousset, A. 94B, 599  
Rovery, M. 93B, 793  
Roy, A. B. 93B, 229  
Roy, R. 93B, 217  
Rozov, S. M. 93B, 163  
Rubio, M. A. 94A, 717  
Ruckpaul, K. 93C, 55  
Rudge, M. F. 94A, 667  
Ruggieri, S. 93B, 591  
Ruiz, G. 94A, 643  
Rumjanek, F. D. 94B, 427, 807  
Runciman, W. B. 93B, 741  
Russell, C. S. 93B, 859  
Russo, A. K. 94A, 743  
Russo, P. 92C, 425  
Ruszkowska, M. 94B, 723  
Rutkowski, J. P. 93C, 269  
Ryan, P. G. 94A, 461  
Rynkowski, T. A. 94A, 41  
Sa, C. 92C, 77  
Saarela, S. 92A, 219  
Saavedra, H. 92C, 319; 93C, 359  
Saba, R. 92B, 517

- Sabol, J. L. 93B, 251  
 Sadoshima, J-I. 92A, 61  
 Saeki, K. 94A, 99, 405  
 Safak, C. 92C, 109  
 Safe, S. 92C, 171  
 Sage, E. H. 93B, 835  
 Sahin, F. 92C, 109  
 Saito, M. 94B, 697  
 Saito, N. 94B, 263  
 Saiz, M. P. 92A, 211  
 Sakaguchi, B. 94B, 149  
 Sakata, S. 94C, 603  
 Sakharov, D. A. 92C,  
 343; 93C, 161  
 Sakharov, I. Yu. 92B,  
 119  
 Sako, N. 94A, 263  
 Salanki, J. 92C, 343  
 Salbert, G. 94A, 305  
 Saleuddin, A. S. M. 94A,  
 653  
 Salhus, H. 93A, 577  
 Saligaut, C. 94A, 305  
 Salimova, N. 93C, 161  
 Samain, J. F. 93B, 307  
 Samata, T. 94B, 651  
 Sanborn, B. M. 93C, 341  
 Sanchez-Moreno, M. 92B,  
 737  
 Sanchez-Navas, A. 92B,  
 737  
 Sanderson, A. I. 94B, 41  
 Saneyoshi, M. 93B, 503  
 Sano, M. 93C, 189; 94C,  
 341  
 Santa-Hernandez, M. S.

93B, 847  
 Santer, R. M. 94C, 527  
 Santulli, A. 94B, 613  
 Sargent, J. R. 94B, 367  
 Sasaki, T. 93B, 11  
 Sasaki, Y. 94A, 805  
 Sass, M. 92A, 285  
 Satchell, G. H. 93A, 607  
 Satir, P. 94A, 351  
 Sato, H. 94C, 133  
 Sato, K. 92B, 87, 583;  
 94B, 219, 647  
 Sato, M. 92B, 87; 94B,  
 219  
 Sato, T. 92A, 435; 94A,  
 591  
 Sato, H. 94A, 805  
 Satterlee, D. G. 94A, 569  
 Satterlee, J. D. 92B, 619  
 Saunders, N. R. 92B, 569  
 Saunderson, C. L. 92A,  
 305  
 Sauve, Y. 93A, 301  
 Savage, A. O. 92C, 27  
 Savill, A. 94A, 749  
 Scatena, R. 94B, 139  
 Schachner, E. 92C, 329  
 Schadt, J. C. 92A, 255  
 Scharfman, A. 92B, 645  
 Scharrer, E. 94A, 111  
 Schepers, L. 92B, 129  
 Schiedt, K. 92B, 277  
 Schiff, H. 92A, 331,  
 343; 94A, 75  
 Schlenk, D. 94C, 469  
 Schluter, S. F. 93B, 145

- Schmidt, J. O. 92C, 117  
Schor, L. 92B, 195  
Schottler, U. 92A, 1;  
93A, 549; 93B, 689  
Schreiber, G. 93B, 813  
Schreiber, R. W. 93B, 291  
Schuchmann, K.-L. 92A,  
393  
Schulze, E. 93B, 413  
Schurmann, F. W. 92C, 337  
Schwantes, A. R. 94B, 823  
Schwantes, M. L. B. 94B,  
823  
Schwartz, B. 94A, 289  
Schwarz, H.-J. 92A, 601  
Scott, L. K. 93A, 313  
Sechi, A. M. 93B, 647  
Sedgwick, G. W. 93B, 609  
Sedlmeier, U. A. 92B, 35  
Segura, E. T. 93A, 505  
Seidel, M. E. 94B, 569  
Sekiguchi, K. 93B, 681  
Seldes, A. M. 92B, 195  
Senatori, O. 92C, 401  
Senault, C. 94A, 273  
Senior, D. J. 94B, 655  
Seno, H. 92B, 347  
Senozan, N. M. 94A, 195  
Senturia, J. B. 94C, 249  
Serra, J. L. 93B, 61  
Serrazanetti, G. P. 94B,  
143; 94C, 177  
Sesartic, L. 92B, 681  
Severini, C. 94C, 455  
Sewell, J. E. 92B, 509,  
623  
Shalaby, T. H. 94A, 153  
Shand, J. 94C, 351  
Sharma, R. P. 94C, 575  
Sharp, P. J. 92B, 501  
Shaver, J. R. 93C, 281  
Shaw, C. 94C, 533  
Shaw, D. 94B, 775  
Shelud'ko, N. S. 93A,  
327  
Shen, S. S. 92B, 251  
Shennan, D. B. 92A, 145  
Sherwood, N. M. 92B, 111  
Sherwood, T. A. Jr. 93B,  
291  
Shibuya, T. 92A, 505  
Shihabi, Z. K. 92A, 545  
Shimamoto, K. 93C, 263  
Shimizu, I. 92B, 197  
Shimizu, T. 94A, 813  
Shimizu, Y. 92B, 715  
Shimonishi, Y. 94B, 739  
Shiomi, K. 92B, 255  
Shirazi-Beechey, S. P.  
94B, 801  
Shoji, Y. 94A, 805  
Showman, R. M. 94A, 57  
Shvachkin, Yu. P. 94B,  
237  
Sideris, D. C. 93B, 657  
Siebrits, F. K. 92A, 485  
Sierdsema, S. J. 94B,  
587  
Sievert, L. M. 94A, 339  
Sigurdson, W. J. 92A, 479  
Sikka, H. C. 93C, 269  
Sikoki, F. D. 92C, 267

- Silva, A. C. 94A, 743  
 Silva, C. P. 92B, 51  
 Silva, I. M. P. 94A, 455  
 Simard, C. 93B, 157  
 Simard, J-L. 92B, 411  
 Simmaco, M. 94C, 455  
 Simmons, T. W. 94B, 323  
 Simpson, B. K. 93B, 595  
 Singh, K. 94B, 493  
 Sirvio, J. 94C, 277  
 Sizov, A. V. 94B, 277  
 Skeleton, M. E. 94C, 567  
 Skinner, A. 93B, 417  
 Skul'sky, I. A. 92C, 349  
 Slade, C. T. 93A, 861  
 Sleigh, M. 94A, 347, 359  
 Sleight, A. J. 93A, 107  
 Sletten, K. 94B, 765  
 Slootstra, J. W. 93A, 833  
 Smietanko, A. 92A, 163;  
 94A, 431  
 Smit, H. 92A, 159  
 Smith, A. C. 93B, 523  
 Smith, D. S. 94C, 547  
 Smith, J. E. 93B, 39  
 Smith, M. W. 93A, 617,  
 623  
 Smith, P. A. 93A, 133  
 Smith, T. J. 93B, 721  
 Smith, W. G. 94B, 475  
 Snegaroff, J. 94C, 215  
 Snoswell, A. M. 93B, 741  
 Snow, D. H. 93A, 629  
 So, L.-P. 93B, 859  
 Soderlund, D. M. 94C, 255  
 Soldi, M. E. 94B, 581  
 Solovieva, M. V. 92B, 733  
 Somasundaram, B. 93A, 899  
 Sone, Y. 93B, 493  
 Sonetti, D. 94C, 327  
 Song, P-S. 92A, 101  
 Soria, M. O. 92A, 15  
 Soto, J. G. 93B, 847  
 Spaargaren, D. H. 93A,  
 667  
 Sparrow, L. G. 92B, 637;  
 93B, 529  
 Sparti, A. 92A, 359  
 Speckmann, E.-J. 94C, 585  
 Spence, P. J. 92B, 501  
 Spencer, G. S. G. 93A,  
 467  
 Spicer, J. I. 92A, 421  
 Spindler, K-D. 94B, 691  
 Spray, F. J. 94B, 543  
 Spychala, J. 94B, 555  
 S.-Rozsa, K. 92C, 361;  
 94A, 735  
 Staddon, G. E. 94A, 401  
 Stadler, H. 92C, 337  
 Stamenkovic-Bojic, G.  
 93B, 629  
 Stancheva, S. 94C, 41  
 Stangassinger, M. 92B,  
 631  
 Stanic, V. 94A, 167  
 Stapleton, A. 92C, 9  
 Stark, J. R. 93B, 823;  
 94B, 607  
 Staurnes, M. 93C, 221  
 Stead, A. G. 92C, 73  
 Steele, A. M. C. 94A,

- 699  
Steele, N. 92B, 659;  
93A, 227  
Steele, N. C. 94B, 49  
Stegeman, J. J. 92C, 223  
Steger, R. W. 93C, 303  
Stein, E. A. 94B, 703  
Steiner, F. A. 92C, 301  
Stella, A. M. 94B, 635  
Stephens, P. J. 93A, 511  
Stevens, C. 92A, 37  
Stiffler, D. F. 94A,  
243  
Storebakken, T. 92B,  
277; 94B, 481  
Stoyan, N. 92A, 271  
Strack, R. 94A, 69  
Straight, R. C. 93B,  
847  
Strange, R. C. 94B, 343  
Stupfel, M. 94A, 415  
Suchy, P. E. 94C, 249  
Suematsu, K. 94C, 603  
Sugawara, T. 94A, 805  
Sugihara, H. 92B, 537  
Sugino, K. 94A, 365  
Suh, Y. H. 94C, 625  
Sumi, Y. 93C, 345; 94C,  
99  
Sun, X. P. 93C, 181;  
94C, 55  
Sunaga, H. 94C, 93, 99  
Sureau, D. 92A, 49  
Sutter, G. C. 93C, 105  
Suzuki, H. 92B, 1  
Suzuki, K. T. 93C, 345;
- 94C, 93, 99  
Suzuki, M. 92B, 691; 93A,  
583  
Suzuki, N. 94B, 739  
Suzuki, O. 92B, 347  
Suzuki, T. 92B, 455; 93C,  
345; 94C, 99  
Svensson, S. P. 93C, 247  
Swerdel, M. R. 93B, 803  
Syasina, I. G. 92C, 349  
Syed, N. I. 93A, 633, 861  
Sylvester, P. W. 94A, 41  
Syrovy, I. 92A, 441  
Szabo, T. 93C, 317  
Szafranek, J. 93B, 437;  
94B, 723  
Szalewicz, A. 92B, 341  
Szubartowska, E. 92C, 89;  
93C, 91  
Taberner, P. V. 93A, 241  
Tacconi, S. 93B, 193  
Tadolini, B. 93B, 647  
Tagawa, S. 94B, 379  
Taghavianpour, H. 92C,  
259  
Takagi, Y. 92A, 605  
Takahashi, H. 94B, 829  
Takao, T. 94B, 739  
Takayama, K. 93B, 493  
Takayanagi, I. 92C, 419  
Takeda, T. 94A, 205  
Takehara, T. 93B, 213  
Takeuchi, H. 92C, 273;  
93C, 61, 181, 263; 94C,  
55

- Taki, H. 92B, 167
- Takizawa, N. 93B, 493
- Talbot, C. 92A, 235, 241, 247
- Talesa, V. 94C, 23
- Talha, F. 94B, 499
- Tamai, N. 94B, 673
- Tamaki, K. 92B, 583; 94B, 647
- Tampier, L. 93C, 359
- Tamura, Y. 94A, 813; 94B, 797
- Tan, C-S. 93B, 757
- Tan, N-H. 93B, 757
- Tanabe, K. 92A, 85
- Tanaka, Y. 92A, 33
- Tangen, K. 92B, 239
- Taniguchi, M. 94B, 189
- Tarasantchi, J. 94A, 743
- Tasaki, I. 92A, 313
- Tate, T. 94C, 303
- Tauber, R. M. 92C, 211
- Tavares, C. A. P. 94B, 427
- Taylor, A. C. 92A, 421
- Taylor, E. W. 94A, 755
- Taylor, G. S. 93C, 293
- Taylor, H. H. 93A, 607
- Taylor, R. L. Jr. 94C, 511
- Tazawa, H. 92A, 613, 619; 93A, 707
- Tedeschi, J. B. 94A, 531
- Teichert-Kluszevska, K. 94C, 265
- Teichner, A. 94B, 435
- Teo, L. H. 93B, 643
- Terblanche, S. E. 93B, 727
- Ter Maat, A. 92A, 445
- Teshima, S-i. 92B, 45
- Thaker, A. A. 94C, 63, 199
- Theron, A. 93B, 33
- Thim, L. 93B, 359
- Thomas, J. D. 93A, 353, 899
- Thomas, R. E. 93C, 155; 94C, 289
- Thomasson, K. 92A, 21
- Thompson, M. P. 94B, 493
- Thompson, G. E. 94B, 411
- Thompson, J. R. 93B, 609
- Thompson, S. W. N. 93A, 171
- Thompson, W. E. 94A, 531
- Thomson, M. 92B, 205; 93B, 621
- Thorburn, G. D. 93A, 489
- Thornhill, R. A. 93C, 81
- Thornton, S. 92B, 605
- Tian, S. 94A, 323
- Tiersch, T. R. 94B, 465
- Tillitt, D. E. 94C, 235
- Tixier-Boichard, M. 93B, 773
- Tkachuck, R. D. 92B, 747
- Tocher, D. R. 94B, 367
- Tomasic, J. 92B, 681
- Tomoike, H. 92A, 61
- Tomic, S. 92B, 681
- Tonomura, H. 94B, 399,

- 405
- Tonosaki, K. 92A, 181;  
94A, 603, 659
- Torres, A. M. 94C, 581
- Torre, P. M. 92B, 157
- Torres-da Matta, J. 93B,  
391
- Torronen, R. 94C, 671
- Tort, L. 94C, 261
- Tota, B. 94A, 731
- Toutain, P. L. 94C, 81
- Tow, J. P. 93B, 575
- Towle, D. W. 92C, 125
- Townsel, J. G. 92C, 81
- Toyohara, H. 92B, 577, 715
- Trabelsi, M. 93A, 375
- Trapido-Rosenthal, H. G.  
92C, 413
- Trausch, G. 94B, 487
- Traverso-Cori, A. 93B, 911
- Traynor, P. 93A, 133
- Tremblay, G. C. 94B, 779
- Tremblay, R. R. 93B, 157
- Trevenen, B. J. 92B, 365,  
587
- Tsai, C. S. 94B, 655
- Tsang, W. N. 92A, 489
- Tschoerner, P. 94A, 187
- Tsoi, S. C. M. 93B, 27
- Tsoukatos, D. 93B, 113
- Tsuchiya, T. 94B, 813
- Tsukimura, T. 93C, 189;  
94C, 341
- Tsukuda, H. 94A, 37, 333
- Tsushima, M. 92B, 189;  
93B, 665, 829
- Tsutsumi, H. 92B, 583;  
94B, 647
- Tubb, R. A. 92C, 267
- Tuenis, P. F. M. 94A, 647
- Tuersley, M. D. 92C, 377
- Tufenkji, A. E. 94C, 81
- Tulp, O. L. 92A, 37;  
94A, 225, 597
- Tunnicliff, G. 93A, 247
- Turner, J. J. 93A, 613
- Turner, J. S. 92A, 619
- Turner, K. 93B, 847
- Turner, M. R. 94B, 575
- Tyler, N. 94B, 129
- Tzannetatou-Polymeri, R.  
92B, 469
- Ubik, K. 92B, 357
- Uematsu, H. 92B, 255
- Ueno, K. 94B, 379
- Uesaka, H. 94A, 471
- Ueta, N. 92B, 319
- Umebachi, Y. 94B, 207
- Underwood, H. 94A, 53,  
467
- Usuki, I. 93B, 555, 935
- Vacquier, V. D. 92B, 381
- Vahala, J. 92A, 31
- Valenzuela, M. A. 93B,  
911
- Vallejo, C. G. 94A, 231
- Vamecq, J. 93B, 477
- Vanatta, J. C. 93A, 717
- Van Brussel, E. 92B, 645
- Van Creveld, C. 93A, 349

- VandeBerg, J. L. 93B,  
271
- Van den Broek, A. Th. M.  
92B, 133; 94B, 165, 293
- van den Thillart, G.  
92A, 159
- van den Thillart, G. E.  
E. J. M. 94A, 809
- van der Boon, J. 94A, 809
- Vandergon, T. L. 94B, 31
- Van der Horst, D. J.  
92B, 133; 94B, 293
- van der Schors, R. C.  
93A, 833
- van Dijk, J. W. E. 93A,  
651
- van Dijk, S. 94B, 735
- Van Doorn, J. M. 92B,  
133; 94B, 293
- van Eyk, A. D. 93B, 181
- van Gijsen, J. 94B, 593
- van Heerden, M. 93C, 275
- Van Hoof, F. 93B, 477
- van Marle, J. 92C, 175
- Van Marrewijk, W. J. A.  
92B, 133; 94B, 165, 293
- Van Mellaert, H. 92B,  
123
- van Rutienberg, M. 94B,  
729
- van Vuren, J. H. J. 93C,  
37; 94C, 207
- van Waversveld, J. 92A,  
159
- Vasak, M. 92B, 463
- Vasiliou, V. 94C, 671
- Vasquez, E. 94C, 441
- Vasta, G. R. 92B, 93
- Vaughan, M. K. 94A, 427
- Veenhof, P. R. 92B, 375
- Vega, I. 94B, 241
- Vehovszky, A. 92C, 391;  
94A, 735
- Veldhuizen-Tsoerkan, M.  
92B, 375
- Veloso, A. 94A, 643
- Vera, M. I. 92B, 787
- Verbeeck, R. M. H. 93A,  
651
- Vergara, V. 93C, 359
- Verhoef, H. A. 93A, 691
- Verine, A. 94B, 13, 19,  
27
- Vernoux, J-P. 94B, 499
- Veseghi, T. 92C, 259
- Vesely, D. L. 94A, 515
- Viarengo, A. 93B, 747;  
93C, 389
- Vig. E. 94B, 395
- Vigna, S. R. 94C, 405, 411
- Vila, J. M. 94C, 431
- Viljoen, H. W. 93B, 459
- Villanueva, J. 92B, 787
- Villarruel, M. C. 94C,  
357
- Vinson, S. B. 93B, 73
- Visser, J. H. 92C, 175
- Vita, A. 93B, 591
- Viviani, R. 93B, 753;  
94B, 581
- Vondersaar, M. E. 94A,  
243

- Vorger, P. 94B, 315  
Vornanen, M. 94C, 477  
Vranckx, R. 92B, 595  
Vuillaume, M. 92B, 17  
Vuorinen, M. 92C, 51  
Vuorinen, P. J. 92C, 51  
  
Wachtel, S. S. 94B, 465  
Wachtmeister, C. A. 93B,  
653  
Wacyk, J. 94C, 441  
Wadano, A. 94B, 189  
Waehneldt, T. V. 92B,  
369  
Wagenmakers, A. J. M.  
92C, 385  
Wagner, R. M. 93C, 257  
Wait, E. 94C, 139  
Wakabayashi, T. 92B, 691  
Wakita, M. 93A, 583  
Walday, P. 92C, 197;  
93C, 143  
Walker, M. J. 92C, 333  
Walker, R. J. 92C, 391;  
93A, 1, 25; 93C, 413  
Wall, J. S. 94B, 415  
Walsh, C. J. 94C, 447  
Walter, C. M. 94C, 419  
Walters, J. M. 94B, 475  
Walther, B. T. 93B, 317  
Walton, P. E. 92B, 561  
Wang, S. 93A, 721  
Ward, J. P. T. 94A, 765  
Wardlaw, A. C. 94B, 837  
Waron, M. 92C, 329  
Wasilewski, W. 93C, 175  
  
Watabe, N. 94A, 57; 94B,  
651  
Watabe, S. 94B, 813  
Watanabe, F. 94B, 797  
Watanabe, K. 93C, 263  
Watanabe, T. 93B, 493  
Watkins, J. B. III. 92B,  
685; 94B, 213  
Watson, P. F. 94A, 765  
Watts, S. A. 94B, 263  
Weaver, B. M. Q. 94A,  
401  
Weglar, D. 94A, 25  
Weichman, J. D. 93A, 535  
Weil, S. 94A, 787  
Welch, S. 93B, 417  
Weldon, P. J. 94B, 375  
Wells, R. M. G. 92B,  
303, 365, 587; 93B, 549  
Welsford, I. G. 94A, 73  
Wen-Fang, S. 92A, 593  
Wenne, R. 93B, 711  
Wensing, Th. 94B, 735  
Werding, R. E. 94B, 765  
Wertz, P. W. 92B, 759;  
93B, 265  
Wesche, A. 93A, 655  
Westerman, G. T. 94B,  
765  
Westerman, P. 94B, 765  
Wheal, H. V. 93A, 211  
White, A. 93A, 455  
White, H. B. III. 93B,  
291, 543  
Whiteley, N. M. 94A, 755  
Whittow, G. C. 93A, 707,

- 807

Wieland, S. J. 94C, 183  
 Wiinamaki, K. 93B, 437  
 Williams, D. E. 93B, 465  
 Williams, E. A. 93B, 229  
 Williams, V. J. 94A, 61  
 Williamson, R. 93C, 23  
 Wilson, M.-P. 94A, 461  
 Wilson, R. P. 94A, 461  
 Winters, C. J. 94A, 515  
 Whittow, G. C. 92A, 613,  
 619  
 Wijsman, T. C. M. 92A, 53  
 Wilhelm F°, D. 92A, 467  
 Williams, B. 92A, 479  
 Williams, D. McB. 93B,  
 601  
 Williams, G. 92A, 43  
 Williams, H. J. 93B, 73  
 Williams, M. 92A, 247  
 Winlow, W. 92C, 35, 39;  
 93A, 633, 861; 93C, 333  
 Winston, G. W. 92B, 329  
 Wisniewski, J. R. 92A,  
 163  
 Wojcik, K. 93C, 91  
 Wold, F. 94B, 375  
 Wolf, G. 94A, 489  
 Wolffram, S. 94A, 111  
 Womack, J. 92C, 171  
 Woo, J. I. 94C, 625  
 Woo, N. Y. S. 92C, 95  
 Wood, J. T. 92A, 473  
 Woodall, P. F. 92A, 75;  
 94A, 615  
 Woodring, J. P. 92A, 65;

93B, 643  
 Woudstra, M. E. 93B, 793  
 Wrenn, D. S. 93B, 835  
 Wright, D. A. 92C, 125  
 Wu, G. 93B, 609  
 Xavier-Filho, J. 92B, 51  
 Yada, Y. 94B, 561  
 Yagasaki, O. 94C, 121  
 Yagil, R. 93A, 349  
 Yajima, T. 93A, 851  
 Yamada, J. 92A, 605  
 Yamada, Y. 92C, 231  
 Yamagami, K. 93B, 11  
 Yamagishi, H. 94A, 471  
 Yamaguchi, K. 93B, 255  
 Yamaguchi, M. 94B, 739  
 Yamamoto, K-i. 92A, 139;  
 94A, 633  
 Yamanaka, H. 92B, 255  
 Yamanaka, K. 94C, 93  
 Yamashita, O. 92B, 81;  
 93B, 385  
 Yamauchi, K. 94B, 445  
 Yamazaki, A. 93C, 189;  
 94C, 341  
 Yamazaki, J. 93C, 97  
 Yamazaki, T. 94B, 697  
 Yang, K-H. 92B, 323  
 Yang, S. I. 92A, 313,  
 319; 93A, 703  
 Yasugi-Nagaoka, E. 94A,  
 539  
 Yazbeck, J. 94A, 273  
 Ye, S-Q. 93B, 325

- Yin, C-M. 92A, 9  
Yin, F-Y. 93B, 283  
Yokoi, S. 92B, 247  
Yongsiri, A. 92C, 273  
Yoo, B-S. 92B, 323  
Yoshinaka, R. 92B, 87;  
94B, 219  
Yoshino, K-I. 94B, 739  
Young, C. R. 92B, 623  
Young, N. L. 94A, 597  
Yousef, M. K. 94A, 153  
Ysern-Caldentey, M. 94A,  
455  
Yu, K. L. 92C, 95  
Yuksel, K. U. 94B, 389  
Zagalsky, P. F. 93B, 339  
Zakrzewska, B. 94B, 361  
Zale, A. V. 93A, 535  
Zalenskaya, A. 93B, 163  
Zalesna, G. 92C, 5  
Zamorano, B. 94C, 173  
Zanders, I. P. 92A, 377  
Zanuy, S. 93A, 407; 94A,  
33  
Zaporowska, H. 93C, 175  
Zebe, E. 94A, 187  
Zekri, M. 93B, 673  
Zepeda, P. 94B, 241  
Zhadan, P. M. 94B, 277  
Zhang, D. X. 92C, 205  
Zhao-Xian, W. 92A, 593  
Zherelova, O. M. 94A, 141  
Ziz, L. A. 93B, 789  
Zonchedu, A. 93B, 747  
Zuppa, F. 93B, 819  
Zurburg, W. 93A, 413;  
94B, 729  
Zwart, R. 94C, 663  
Zydowo, M. M. 94B, 555

- Arctic life adaptation, 94B, 129, 135, 139
- Arctocephalus spp, 92B, 361
- Arenicola marina, 92A, 1; 93A, 549; 93B, 689
- Arginase, 93B, 509
- Arginine ester hydrolases, 92B, 537
- Arginine hydrolysis, 94B, 195
- Arginine vasotocin, 92A, 423; 93A, 721
- Arid avians, 92A, 207
- Arion lusitanicus, 92C, 355
- Arius bilineatus, 92B, 205; 93B, 621
- Arius tenuispinis, 92B, 205
- Arius thalassinus, 92B, 205
- Arm regeneration, 94A, 57
- Arochlor 1254, 92C, 171
- Arrhenius plots, 92A, 50; 94B, 113
- Arsenobetaine, 94B, 379
- Artemia, 94A, 231, 489; 94B, 691
- Arthropod lipoproteins, 92B, 137
- Arvicola terrestris, 94A, 615
- Arylalkylamines, 93C, 307
- 2-arylbenzimidazoles, 92C, 109
- Aryl sulphatase, 93B, 229
- Ascaris suum, 92B, 737; 94B, 715
- Ascidia glabra, 93B, 425
- Ascidian blood, 93B, 425
- Ascidians, 93B, 425
- Ascorbic acid, 93A, 285; 93C, 275
- Aspartate, 92C, 355; 93C, 317
- Aspirin, 92C, 70
- Assimilation efficiency, 92A, 271
- Astacus leptodactylus, 92B, 598
- Astaxanthin, 92A, 111; 92B, 277; 93B, 503; 94B, 481
- Astaxanthin diester, 93B, 255
- Asterias amurensis, 93B, 829
- Asterias forbesi, 94A, 57
- Asterina pectinifera, 93B, 829
- Asterosaponins, 92B, 411
- ATP, 92A, 259; 92B, 17; 93A, 761, 845; 93B, 575; 93C, 207
- ATPase, 92A, 441; 92C, 125; 93A, 527; 93B, 499
- ATP sensitive, 92C, 413
- Atrazine, 93C, 37
- Atropine, 92A, 49; 92C, 122, 143, 149; 93C, 289
- Atypus bicolor, 93A, 757
- Autoantibodies, 94B, 829
- Avian embryos, 94A, 607
- Avian erythrocytes, 92A, 545
- Avidin, 93B, 543
- AVP, 93A, 185
- AVT, 93A, 717
- Axis axis, 92A, 499; 94B, 226
- Axonemal components, 94A, 351
- Axoplasmic transport, 93A, 13
- Axotomy, 93A, 135
- Azadirachtin, 92B, 133
- Azividinium, 93C, 1
- Azo dyes, 94B, 673
- B<sub>12</sub>, 92B, 227
- Baetis sahoensis, 93C, 345
- Baetis thermicus, 93C, 345; 94C, 99
- Baetis yoshinensis, 93C, 345
- BAL, 92B, 645
- Balaenoptera acutorostrata hemoglobin, 94B, 139
- Balanus nubilis, 92A, 429

- BALB, 93B, 493; 94A, 263

BALB/C, 92C, 73

BALB/C-mice, 93C, 167

Balistes capriscus, 93B, 589

Ballism, 93A, 141

Barbiturates, 93A, 241, 242; 94C, 133

Barbus barbus plebejus, 93B, 707

Barbus meridionalis, 93B, 707

Barnacle photoreceptor cells, 92A, 429

BAT, 92A, 37, 219; 93A, 613; 94A, 225, 273; 94B, 493; 94C, 229

Batrachotoxinin, 94C, 255

behaviour, 94A, 555

Behavioural discrimination, 92A, 371

Benextramine, 93C, 189

Benzo(a)pyrene, 93C, 213

Benzodiazepines, 92C, 9; 93A, 241, 242; 93C, 29, 193

Benzo[f]quinoline, 93C, 269

Benzopyrene, 92B, 329; 92C, 51; 93C, 11, 55, 213

Bicarbonate excretion, 93A, 717

Bicuculline, 92C, 391

Bile acids, 92B, 357

Bili-protein complex, 92B, 303

Bilirubin, 92A, 43

Biliverdin, 92B, 303

Biogenic amines, 92C, 301

Biogenic amine-containing neurones, 92C, 237

Biological rhythms, 94A, 725

Bioluminescence, 93C, 127

Biomphalaria glabrata, 93A, 353, 899; 94B, 543

Bioresmethrin, 93C, 149

Biotin, 93B, 543

Birgus latro, 94B, 59

Bison bonasus L. 92A, 291; 93A, 567

Blastula, 93C, 281

Blattella germanica, 94A, 795

Blood albumins, 93B, 283

Blood chemistry, 94A, 201, 623, 717

Blood glucose, 92B, 307

Blood lipids, 92A, 571

Blood volume, 93A, 607

Blue dextran, 94A, 73

BMR, 92A, 359

Body color, 92A, 323

Body temperature, 92A, 393, 541

Bohr effect, 93A, 319

Bombesin, 94C, 405

Bombina orientalis, 92B, 129

Bombyx mori, 92B, 81, 197; 93B, 385, 443; 94B, 149

Bonito, 94A, 33

Bos indicus, 94A, 635

Bos taurus, 92B, 157, 583, 609, 759; 92C, 259; 93A, 429; 93B, 929; 93C, 201; 94B, 171, 441, 447, 455, 555

Bothropain, 93B, 781

Bothrops jararaca, 93B, 781

Botrylloides leachii, 93B, 145

Botryllus schlosserii, 92B, 93

Bovine myocardium, 92A, 441

Brachionus plicatilis, 93B, 565

Bradypus tridactylus, 92C, 405; 94A, 159

Brain of the honeybee, 92C, 337

Brain trehalase, 94B, 53

Brassicasterol, 92B, 195

- BRL, 94C, 229  
 Bromobenzene, 93C, 43  
 O-bromophenol, 93C, 43  
**Bronchoalveolar fluid, 92B, 645**  
 Brovincamine, 94C, 55  
 Brown adipose tissue (see BAT)  
 Brushborder, 94A, 111  
**Brush border membrane, 94B, 1, 801**  
 Bryozoans, 92B, 711  
Bubalus bubalis, 94A, 635 = 94B, 71  
 Buccal ganglia, 93A, 893  
Bufo arenarum, 92A, 15; **92C, 167;**  
 93A, 505  
Bufo ictericus, 94A, 525  
Bufo marinus, 92B, 587; **92C, 253**  
Bufo regularis, 92C, 27  
Bufo spinulosus, 94A, 643  
Bufo viridis, 94B, 361  
Bugula neritina, 92B, 711  
 Bullheads, 93C, 269  
 $\alpha$ -bungarotoxin, 94C, 71  
Bungarus sp., 279  
 Burrowing, 93A, 499  
Busycon canaliculatum, 94B, 415  
Busycon contrarium, 92B, 181  
 Butaclamol, 92C, 289  
 C57BL/6, 92C, 171  
Ca<sup>2+</sup>-ATPase, 92B, 263; **93B, 889;**  
 94A, 57  
Ca-binding glycoprotein, 94B, 651  
Ca<sup>2+</sup> channels, 92C, 61; **94A, 141**  
Ca-dependent responses, **94A, 375**  
 Cadmium, 92B, 463; **92C, 15,** 349,  
 355; 93A, 85; 93C, 327; **345,** 356;  
 94B, 65; 94C, 63, 99, **177,** 261, 641  
Cadmium-binding protein, 94C, 373, 555  
Cadmodulin, 92C, **163**  
Caenestheria inopinata, 94A, 505  
Caenorhabditis elegans, 92B, 233  
Caerulein, 92C, **106**  
 Caffeine, 92A, **108;** 92C, 27, 333; 93C,  
 381  
Caiman caiman, 94B, 99  
Calanus finmarchicus, 94B, 185  
Calcitonin, 94B, **49**  
 Calcium, 92A, **101,** 605; 92B, 481; 94A,  
 183, 477, 765, **509;** 94C, 15, 55  
Calcium availability, 93A, 489  
Calcium channels, 93A, 95  
Calcium current, 94A, 25  
Calcium efflux, 93B, 539  
Calcium-pump, 93C, 111  
Calf brain, 94B, **679**  
Callianassa tyrrhena, 94C, 63, 199  
Calliphora erythrocephala, 92B, 763  
Callithrix jacchus, 92A, 299  
Callosobruchus maculatus, 92B, 51  
Calmodulin, 93A, **95**  
Calorie-restricted diets, 93A, 337  
Calorimetric measurements, 94A, 61  
Calpain, 92B, **577;** 93B, 403  
Calpastatin, 93B, **403**  
Camel brain, 94B, **667**  
Camel brain glutathione S-transferase,  
 93B, 333  
Camelus bactrianus, 94B, 789  
Camelus dromedarius, 92B, 517; 93A,  
 349; 93B, 333, **413,** 857; 94A, 787;  
 94B, 469, 667, **789**  
Camels, 93A, **349;** 93B, 413  
Cancer, 93B, **201**

- Cancer pagurus, 92B, 721; 94B, 588  
Canis familiaris, 92B, 151, 399, 583, 631, 759  
Canis vulgaris, 94B, 175  
Canthaxanthin, 92B, 41  
Capra hircus, 93A, 477; 94A, 105, 583  
Capreolus capreolus, 94A, 783  
Caranx latus, 94B, 499  
Carassius auratus, 92B, 463, 715; 93C, 317; 94A, 37, 809; 94C, 177, 223  
Carassius carassius, 94C, 477  
Carbachol, 93C, 87  
Carbogene, 93A, 819  
 $\beta$  carbolines, 93C, 1  
Carbon dioxide, 93A, 819  
Carbonic anhydrase, 93A, 433, 699  
Carbon monoxide, 94A, 117  
Carbon tetrachloride, 94B, 213; 94C, 357  
Carboxyl ester lipase, 93B, 529  
Carboxylic acids, 92B, 35  
Carcinogenesis, 93A, 285  
Carcinus gills, 92A, 415  
Carcinus maenas, 92A, 415, 535; 94B, 588  
Cardiac control, 93A, 561  
Cardiac proteins, 92B, 609  
Cardioarterial valve, 93A, 419  
Cardiodilatin 1-16, 94A, 731  
Cardiovascular hemodynamics, 92A, 327  
Caretta caretta, 94A, 95; 94B, 375  
Carnitine deficiency, 93B, 741  
Carnosine, 93A, 629; 94B, 45  
Carnosine analogs, 94B, 237  
 $\beta$  -carotene, 92A, 111; 92B, 41  
 $\beta\beta$  -carotene, 93B, 665  
Carotenoids, 92A, 111; 92B, 41, 189, 239, 247, 277; 93B, 503, 665  
Carotenoprotein, 93B, 339  
Carp, 92A, 139; 92C, 267  
Carp embryo, 93B, 471  
Cartilage, 92B, 651  
Cartilage response, 93A, 583  
Castration, 93A, 791  
Cat, 94A, 111; 94B, 765  
Catalase, 92A, 581; 92C, 5; 94C, 391  
Catalase-like, 92B, 17  
Catch-relaxing peptide, 92C, 283, 289  
Catecholamine, 92B, 549; 92C, 297; 93A, 561; 93C, 23, 167, 171, 303, 349; 94C, 351, 575  
Catecholamine degradation, 92C, 323  
Catecholaminergic neurons, 93A, 301  
Catecholamine secretion, 94A, 539  
Cat gut, 94A, 111  
Cathepsin B, 92A, 305; 92C, 135  
Cathepsin D, 92A, 287; 94B, 505  
Cavia cobaya, 93C, 73  
Cavia porcellus, 92B, 399, 583, 609, 681; 93A, 857; 93B, 355, 575; 93C, 49; 94B, 415  
CCK, 92A, 313, 319; 93A, 703  
CCK8, 94C, 649  
CCK-like, 92C, 103  
Cebus albifrons, 93C, 421  
Cellaria sinusoa, 92B, 711  
Cell-free translation, 93B, 803  
Cellular damage, 94A, 799  
Cellulose, 94A, 615

- Cenocrinus asterius, 93A, 391      Chloramphenicol, 94C, 215  
Central cholinergic pathways, 93A, 273      Chloride, 94C, 189  
Centris aethiocesta, 93B, 73      Chloride channels, 93C, 97  
Centris flavifrous, 93B, 73      Chloride conductance, 92A, 61  
Cephalopoda, 92B, 247      Chloride exchangers, 92A, 415  
Ceramides, 92B, 759      Chloride secretion, 94A, 315  
Cerastoderma edule, 94B, 729, 837      Chloride transport, 94A, 439  
Ceratitis capitata, 93B, 657      Chlorpromazine, 92C, 163; 93B, 465; 94B, 487  
Cerebellar membranes, 93C, 321      Cholesterol, 92B, 667, 759; 93A, 407, 881; 93B, 589; 94A, 25, 143; 94B, 527  
CGP-12177, 94C, 229      Cholesterol oxidase, 94C, 105  
Chaenocephalus aceratus, 92B, 313      Cholinergic, 94C, 159  
Chalcones, 94B, 661      Cholinesterases, 92C, 197  
Champsocephalus gunnari, 94B, 769      Choline transport, 93C, 1  
Channa maculata, 92C, 95      Choline uptake, 92C, 81  
Chartella papyracea, 92B, 711      Chondroitin, 93B, 93, 899  
CHAT, 93C, 143, 318      Chorda tympani, 92A, 185, 603  
Chelydra serpentina, 93A, 423; 93B, 283      Chorea, 93A, 141  
Chemosensilla, 93A, 523; 94A, 257      Chromatic adaptation, 93C, 313  
Cherax destructor, 94B, 588      Chromatophore movements, 93C, 239  
Chiasma frequency, 92B, 450      Chromis viridis, 93C, 239  
Chicks, 92A, 313      Chromosomal proteins, 93B, 163  
Chick embryo, 92A, 613; 92B, 103; 93A, 677; 94A, 117, 607      Chrysaora quinquecirrha, 94B, 641  
Chickens, 94A, 569, 683      Chrysemys picta, 92A, 259; 94B, 569  
Chicken egg yolk, 93B, 543      Chrysiptera cyanea, 92B, 533  
Chicken liver, 93B, 591      Chymotrypsin, 93A, 439; 93B, 61, 317  
Chick small intestine, 94B, 157      Chymotrypsin inhibitor, 94B, 149  
Chick spinal neurons, 93C, 97      Ciconia ciconia, 94A, 201  
Chimpanzee, 94B, 647      Ciconia nigra, 94A, 201  
Chitin, 94C, 313      Ciguatoxins, 94B, 499  
Chitinase, 94B, 691      Cilia, 94A, 375  
Chitons, 93B, 665      Ciliary beating, 94A, 365  
Chlamys hastata, 92B, 747      Ciliary feeders, 94A, 383  
Chloralose, 92C, 405; 94C, 133      Ciliary functions, 94A, 347, 394  
      Ciliary systems, 94A, 359

- Ciliated protozoa, 94A, 365  
Cimetidine, 92C, 143  
CIMP, 94A, 249  
Ciona intestinalis, 92B, 93  
Circadian CO<sub>2</sub> emission, 94A, 415  
Circadian rhythm, 92A, 122  
Cisplatin, 94C, 115  
Citellus undulatus, 94B, 537  
CK, 92B, 59  
Clenbuterol, 92C, 135  
Clethrionomys glareolus, 94C, 313  
Clibanarius erythropus, 92A, 111  
Clonidine, 92C, 167; 93C, 247  
Clorgyline, 92C, 401  
Clotting reaction, 94A, 483  
Clupea harengus, 93B, 119  
Cnidae, 93A, 761  
CNQX, 93A, 196  
Cobalamin, 94B, 797  
Cochlea, 93C, 73  
Cockroaches, 94A, 587  
Cockroach motoneurone, 93A, 85  
Coelomocytes, 92B, 167  
Coelomoduct kidneys, 93A, 691  
Cold resistance, 93A, 399  
Collagen, 92B, 87; 94B, 219  
Collagen diversity, 94B, 41  
Colonic mucosa, 93A, 851  
Colour changes, 94C, 351  
Columba livia, 92A, 91, 215; 93B, 681; 94B, 555  
Comactinia echinoptera, 93A, 391  
Comparative physiology and biochemistry, 93A, 309  
Computer cilia, 94A, 352  
Computer software, 93A, 161  
Con A, 92B, 157; 93A, 255; 94B, 107  
Conduction block, 94A, 183  
Condylactis gigantea, 92A, 377  
Conger myriaster, 92B, 255  
Contingent Negative Variation, 93A, 291  
Copper, 93A, 811; 93C, 355; 94C, 93, 99  
Copper sulphate, 93C, 121, 407  
Coregonus albula, 92B, 75; 92C, 51  
Corpus allatum, 92A, 9  
Corpus cardiacum, 92A, 9, 65  
Cortical EEG, 94C, 277  
Corticosteroid, 94C, 81  
Corticosterone, 92A, 403  
Corticotrigeminal motor pathway, 94A, 405  
Cortisol, 92A, 499; 92C, 315; 93A, 467, 567; 93B, 733; 94A, 283, 787  
Cortisolemia, 93A, 785  
Cotalus ruber ruber, 92B, 537  
Coturnix blood cells, 93C, 91  
Coturnix coturnix, 92A, 219; 92C, 55, 89; 93C, 91  
Coturnix coturnix japonica, 94B, 415  
Cows, 93C, 201; 94A, 805; 94B, 735  
<sup>51</sup>Cr, 92A, 75  
Crangon crangon (L.) 93A, 667  
Crassostrea gigas, 93B, 307; 93C, 171; 94C, 469  
Crassostrea rhizophorae, 93A, 395, 773  
Crassostrea virginica, 93A, 601; 93B, 583; 93C, 111; 94B, 779  
Crayfish brain, 93C, 307  
Crayfish giant axons, 93C, 149  
Creatine, 92A, 43

- Crinoids, 93A, 391
- Crocidura russula, 92A, 409
- Crocodylus niloticus, 93A, 473
- Cross correlation, 93A, 168
- Crotalus crotalus, 93B, 847
- Crotalus venoms, 93B, 847
- Crotaphytus collaris, 94A, 339
- Crustaceans, 94A, 689
- Crustacean sense organs, 93A, 53
- Crustacean vision, 94A, 75
- Cryoprotectant, 94A, 499
- Cryptobranchus alleganiensis, 94A, 243
- Crystalline lens, 93B, 575
- Crystallins, 93B, 867
- Cryptochiton stelleri, 93B, 665
- CSF, 92B, 569
- Ctenomys australis, 93A, 345
- Ctenomys talarum, 93A, 345
- CTX, 94B, 499
- Culicoides variipennis, 92B, 9
- Cutaneous respiration, 92A, 593
- Cuticular hydrocarbons, 93B, 437; 94A, 749; 94B, 723
- Cuticular sclerotization, 93B, 721
- Cu,Zn-superoxide dismutase, 94B, 395
- Cyanea capillata, 94B, 641
- Cyanide detoxification, 92C, 259
- Cyclic AMP, 92A, 15, 263; 92C, 23; 93A, 523, 745; 94A, 249, 257; 94C, 327
- Cyclic AMP phosphodiesterase, 93B, 789
- Cyclic GMP, 93A, 523; 93B, 385; 94A, 257
- Cyclic nucleotides, 94A, 249
- Cyprinus carpio, 92A, 139, 263; 92B, 87, 263, 405, 577, 609, 715, 751, 787; 92C, 401; 93B, 279, 379, 471; 94B, 361, 395
- Cyproheptadine, 92C, 333; 94B, 487
- Cysteamine, 94A, 795
- Cysteine, 92C, 15, 355
- Cysteine peptidase, 93B, 781
- Cysteine proteinase, 94B, 845
- Cysticercoids, 94B, 233
- Cytidine deaminase, 93B, 591
- Cytochrome oxidase, 92B, 59
- Cytochrome P-450, 93C, 355
- Cytokines, 94A, 721
- Cytosolic aldehyde dehydrogenases, 93B, 77
- Cytotoxicity, 94C, 105
- DA (dopamine), 92B, 549; 92C, 298, 301, 323; 93A, 12, 25, 601; 93C, 23, 171, 181, 247, 350, 413; 94B, 487
- DAGL, 94B, 13, 19, 27
- DALA, 94B, 635
- DALD, 94B, 65
- Dalmation dogs, 92B, 631
- Daphnia magna, 92A, 33
- Dasymatilla, 92C, 117
- Dasyuroides byrnei, 93A, 331
- Daylength, 94A, 53
- DBA/2, 94B, 511
- DCMU, 94A, 509
- DDE, 94C, 173
- Decenal, 93B, 459
- Decanoic acid, 93A, 777
- Deep-water fish, 94B, 113
- Dehydration, 93A, 691

- Dehydrogenases, 94B, 655      Digestion of protein, 94B, 607  
Delayed gastric emptying, 94A, 461      Digestive efficiency, 94A, 133  
Delphinus delphis, 94A, 639      Digitalis, 94C, 49  
Deltamethrin, 93A, 63; 94C, 381      Dihomo- $\gamma$ -linolenic acid, 92C, 95  
Democrinus conifer, 93A, 391      L-3,4-dihydroxyphenylalanine, 92C, 201  
Dendroaspis angusticeps, 92C, 279      Dinothrombium pandorae, 92B, 137  
Dendrodrillus rubidus, 92C, 15      Diogenes ovatus, 94B, 91  
Denervation changes, 94A, 647      Diphenhydramine, 92C, 143  
Dephosphorylating enzymes, 92C, 413      Diphenylamine-2-carboxylate, 94A, 173,  
Deprenyl, 92C, 401      447  
Dermatan, 93B, 93      Diplodon delodontus, 93A, 673  
Desensitization, 92A, 107      Diploidization, 93B, 27  
Desimipramine, 93C, 127      Discoglossus pictus, 92A, 581  
Developing muscle, 93A, 115      Disorders of movement, 93A, 141  
DFP, 92C, 211      Dithiothreitol, 92C, 189  
2 DG, 93A, 141      Diurnal alterations, 94C, 575  
DHE, 92C, 301      Diving physiology, 93A, 295  
Diabetic mouse, 94B, 213      DMPP, 93C, 189  
Diabetic rats, 92A, 37, 153      DNA, 93A, 233  
Diacyl glycerophospholipids, 92B,  
733      DNA binding proteins, 94B, 807  
Diapause, 93A, 767; 94A, 499      DNA content, 92B, 447  
Diazepam, 93C, 30      DNA - fish, 93B, 57  
Dibenamine, 93C, 189      DNA polymerase, 93B, 747  
Dicentrarchus labrax, 92C, 5; 93A,  
407, 785; 93B, 647; 94A, 33; 94B,  
581, 613      DNA repair, 93B, 747  
Dicholines, 94C, 285      DOC, 92A, 403  
Diclidophora merlangi, 94C, 533      Docosahexanoic acid, 92B, 75  
Dictyota dichotoma, 94B, 107      Dogfish, 94B, 99  
Didelphis virginiana, 94B, 125      L-DOPA, 92C, 201; 94C, 435  
DIDS, 92A, 145, 263; 94B, 439      Dopamine (also see DA), 92C, 23, 245;  
Diel cycles, 94A, 269      93C, 115, 413; 94B, 207; 94C, 183  
Diet, 92A, 305; 94B, 581      Dopamine N-acetyltransferase, 93B, 721  
Diethylphosphate phenylesters, 92C,  
231      Dorsal horn neurones, 93A, 17, 171  
Doublets, 94A, 354  
DPC, 94A, 447

- Dromaius novaehollandiae, 94A, 21  
Drosophila, 94A, 269  
Drosophila busckii, 93B, 629  
Drosophila hydei, 93B, 629  
Drosophila melanogaster, 92B, 691; 93B, 629; 94A, 269  
Drosophila subobscura, 93B, 629  
Drug metabolism, 94C, 683  
DR-diaphorase, 93B, 493; 94B, 673  
DTT, 94A, 125  
Duchenne muscular dystrophy, 93A, 125  
Dufours gland, 92C, 178  
Dugesia tigrina, 93B, 391  
Dugesiella echina, 93A, 757  
Duodenal epithelium, 93A, 685  
Dwarf hens, 93A, 583; 93B, 773  
Dynamene bidentata, 94A, 134  
Dynorphin, 92C, 141  
Dyskinesia, 93A, 141  
Dystrophic mice, 92C, 385  
Ecdysone, 94B, 85  
Ecdysteroid, 94A, 431  
Echinone, 92A, 111; 92B, 189  
Echinometra mathaei, 94B, 739  
Echinostoma revolutum, 94B, 753  
Ectoenzymes, 92C, 413  
EDTA, 94A, 693  
Egg capsules, 92A, 279  
Egg laying, 92C, 131  
Eggshell conductance, 93C, 221  
Egret, 94C, 243  
Eicosapentanoic acid, 92B, 75  
Ekatin, 92C, 89; 93C, 91  
~~Elaphe climacophora~~, 92B, 609  
Elaphe obsoleta, 94B, 475  
Elastase, 93B, 61, 317  
Elastin protein, 93B, 835  
Electric synapse, 92A, 445  
Electrogenic sodium pump, 93A, 13  
Electrolyte balance, 92A, 521  
Electroreceptor, 94A, 647  
Electroretinogram, 92A, 117; 93A, 433  
Eledone cirrosa, 93C, 23  
Elephantulus edwardii, 92A, 75  
Elephas maximus, 94A, 47  
ELISA, 92B, 741  
Elliptocyte, 94B, 789  
Elytra, 93C, 127  
Embryonic development, 93A, 767  
Emys orbicularis, 94B, 569  
Endorphins, 92C, 141; 93A, 269; 94A, 41  
Endothelium, 94C, 431  
Energy expenditure, 94A, 21  
Energy metabolism, 92A, 393; 93B, 193  
Energy utilization, 94A, 813  
Enflurane, 92C, 39  
Engraulis encrasicholus, 93B, 61  
Enterocytes, 93A, 617, 623  
Entophenus japonicus, 92B, 87  
Environmental oxygen, 93A, 819  
Enzymes, 92B, 9  
EPA, 93B, 119  
Epidermal secretions, 93B, 621  
Epidermis, 93B, 265  
Epigonus telescopus, 94B, 113  
Epileptiform activity, 93A, 211; 94C, 585  
Epinene, 92C, 298  
Epinephelus nigritus, 93B, 523, 605  
Eptatretus cirratus, 93A, 607

- Eptatretus hexatrema, 93A, 877      Euphausia superba, 93B, 255  
Equine plasma lipoprotein, 93B, 371      Eurypelma californicum, 92B, 137  
Equus caballus, 92B, 399, 583, 681; 93A, 25  
93A, 429, 629; 93B, 371; 93C, 201,      Evolution of transmitters, 93A, 25  
327; 94A, 283; 94B, 401      Excitatory amino acids, 93A, 195  
Excitotoxicity, 92C, 205  
Equus grevyi, 92A, 31      Exercise, 93B, 727; 94A, 791  
Eremobates sp. 92B, 137      Exercise in fish, 94A, 633  
Ergotamine, 92C, 343      Exercise of dogs, 94A, 743  
Eriocheir gills, 92A, 601      Exocrine pancreatic cells, 94B, 505  
Eriocheir sinensis, 92A, 601; 92C,  
323; 94B, 487      Extensor digitorum, 92A, 555  
EROD, 93C, 11      Extracellular potentials, 93A, 161  
Eye lens, 93B, 707, 867, 873  
Erythrocytokeratin, 94A, 505      Eye lens proteins, 93B, 523  
Erythrocytes, 92A, 85, 139; 94A, 699      Eye of crustacea, 92A, 331, 343  
Erythrocyte agglutinins, 94B, 107  
Escherichia coli, 93B, 591; 94A,  
323      omega 3 FA, 92B, 75; 94B, 575  
omega 6 FA, 92B, 75; 94B, 575  
Esterase-5, 93B, 451      F6P, 92B, 477  
Esterases, 94B, 753      Fascioliasis, 94C, 81  
Esterases non-specific, 93C, 81      Fasting, 94A, 683  
Estradiol-17 $\beta$ , 92C, 55; 93A, 423      Fat body, 92A, 285  
17 $\beta$ -estradiol benzoate, 92B, 659      Fat deposition, 94A, 813  
Estrogens, 93B, 734; 93C, 349      Fatty acid, 92A, 299; 92B, 75, 271,  
Estrogen receptors, 94C, 691      283; 93A, 851; 93B, 119, 807; 94B, 525  
Ethanol, 93A, 242, 511      Fatty acid binding protein, 92B, 509,  
Ethoxyquin, 92C, 171      623  
Ethylmorphine N-demethylase, 92C,  
109      Fatty acid biosynthesis, 93B, 763  
Fatty acid composition, 93B, 715; 94B,  
91  
Etmopterus princeps, 94B, 113      Fatty acid deficiency, 94A, 273  
Eualis suckleyi, 94C, 289      Fatty acid synthetase, 93A, 613  
Eucidaris tribuloides, 94C, 547      Fatty chain composition, 92B, 319  
Eudyptes crestatus, 92A, 43      FDPA, 94A, 283  
Eugerres plumieri, 92A, 195      Euglena gracilis, 92B, 477; 94B, 797 FDPase, 94B, 783  
Euhadra callizona, 92B, 41      Feeding, 94A, 69  
Euhadra congenita hickonis, 92C, 273      Felis catus, 94A, 111, 137; 94B, 175

- Felis domesticus, 93B, 561, 575      Frescon, 93A, 69
- Femoral chordotonal organ, 93A, 729      Fritschielaxanthin, 92B, 189
- Fetal pig, 93A, 467      Frog heart, 92A, 133; 94C, 149
- F-10 gene, 94B, 807      Frog skin, 93A, 717
- Fibre digestion, 94A, 105      Frog skin epithelium, 94A, 173
- Fibrinolysins, 92B, 25      Frog spinal cord, 92C, 205
- Filter feeding, 94A, 383      Frog taste cells, 94A, 591
- Fimbria, 94A, 183      Frog taste organ, 92A, 435
- Fish allantoinase, 93B, 213      Frog taste nerve, 92A, 107
- Fish eye tissues, 93B, 601      Fructose, 92B, 685
- Fish Hb, 92A, 467      FSH, 92A, 499
- Fish phospholipids, 93B, 217      Fucoxanthin, 92B, 239
- Fish respirometer, 93A, 577      Fulica americana, 93C, 105
- Fish telencephalon, 93C, 317      Fundulus heteroclitus, 92C, 125, 223;
- Fish urine flow, 92A, 241      93B, 889; 94C, 169
- Flamingo, 94A, 623; 94C, 243      Furanose, 94A, 257
- Flap muscle, 93A, 419      Fusinus perplexus, 92B, 189; 92C, 283
- Flavin, 93B, 465      Future of P and B, 93A, 309
- Flavone, 94B, 661      G-1-P, 94B, 303
- Flounder heart, 94C, 499      G6P, 94B, 303, 783
- Flow cytometry, 94B, 465      G6PD, 92B, 1; 93B, 858
- Fluoride, 94A, 783      GABA, 92C, 337, 391; 93A, 12, 25, 141,
- Fluphenazine, 92A, 15      211, 241; 93C, 29, 61, 97, 193, 317
- FMRFamide, 92C, 45, 273; 93A, 41;      GABA aminotransferase, 93A, 247
- 93C, 381; 94C, 321, 435, 485      GABA receptor, 92C, 9
- Foals, 94A, 283      GAD, 93C, 317
- Food consumption, 92A, 75      Gadus morhua, 93B, 317
- Food passage, 92A, 75      Galactogen, 92A, 53
- Food restriction, 92A, 565      Galactose, 92B, 255
- N-formyl-methionyl-leucyl-phenylalanine, 92A, 97      Galactose-specific lectin, 92B, 455
- N-formyl peptides, 92A, 97      Galactosidase, 92A, 287; 93B, 565
- Forskolin, 92C, 245      Galaxea fascicularis, 94A, 509
- Free amino acid, 93A, 413; 94A, 653, Gallamine, 93C, 23
- 809      Galleria mellonella, 92A, 163; 94A, 431
- Free fatty acids, 93A, 673      Gallotia galloti, 93A, 685

- Gallus domesticus, 92A, 319, 423, 555, 577; 92B, 283, 351, 509, 623, 609, 659, 715; 93A, 337, 583, 617, 677, 703, 721, 725, 913; 93B, 39, 128, 279, 543, 591, 609, 773; 94A, 117, 315, 323, 721; 94B, 45, 157, 521, 555
- Gallus gallus, 93C, 221, 321
- Galoperidol, 92C, 23
- Galvanotaxis, 94A, 367
- Gametogenesis, 92A, 1
- Gastrin, 92C, 103, 106
- Gastrula, 93C, 281
- GDP, 94A, 273
- Gene expression, 93B, 27
- Genetics of cockroach, 94A, 551
- Genetic variation, 92A, 71; 92B, 1
- Genome size evolution, 92B, 447
- Genyagnus novazelandiae, 92B, 303
- Geochelone carbonaria, 93B, 283
- Geoclemys reevesii, 92A, 505
- Geraniol, 93B, 73
- Germacratrienone oxide, 92C, 193
- GFR, 92A, 241
- GH, 94A, 805; 94B, 355
- Giant axons, 92A, 171
- Giant neurones, 92C, 273
- GIDH, 94A, 187
- Gingymostoma cirratum, 94A, 95
- Glia, 94A, 555
- Glis glis, 94A, 725
- Glossina morsitans, 92B, 25
- Glucagon, 93B, 729; 94A, 33, 805
- Glucocorticoids, 94B, 1
- Gluconeogenesis, 92B, 233, 697
- Glucose, 92B, 685; 94A, 283
- Glucosephosphate isomerase, 92B, 213, 395, 529
- Glucose release, 94A, 221
- D-glucose transport, 94A, 111
- Glucosidase, 93B, 565
- Glucuronides, 92C, 371
- Glutamate, 92A, 365, 371; 92C, 273, 337, 355; 93A, 13, 25, 173, 179, 183, 195
- Glutamate dehydrogenase, 92A, 229; 92B, 721
- Glutamine, 93A, 597; 93B, 609
- Glutathione, 94C, 581
- Glutathione peroxidase, 94B, 323
- Glutathione S-transferases, 92B, 419; 92C, 53, 171; 94B, 343
- Gluteal muscle, 93A, 629
- Glycera dibranchiata, 92B, 619
- Glyceraldehyde-3-phosphate dehydrogenase, 93B, 379
- Glycerol, 94A, 499
- Glycerol trioleate, 93A, 913
- Glycine, 92C, 353; 93A, 205; 93B, 641
- Glycogen, 92A, 53; 93A, 677; 94B, 729
- Glycogen phosphorylase, 94B, 165
- Glycogen synthase, 92B, 81; 94B, 715
- Glycolysis, 92B, 233; 93B, 247
- Glycolytic enzymes, 94B, 299
- Glycophorins, 94B, 641
- Glycoproteins, 94B, 375, 715
- Glycosaminoglycans, 93B, 93, 899
- Glycymeris yessoensis, 93B, 163
- GnRH, 92B, 111
- Goats, 92A, 385; 93A, 477; 94A, 105; 94C, 431, 591
- Gonadotropin, 92B, 111

- Gonodactylus, 94A, 75
- Gonyaulax polyedra, 92C, 297; 94C, 129
- GOT, 92B, 1; 94A, 187, 201; 94B, 783
- GPC, 94B, 679
- GPDH, 93B, 248
- gp130, 93A, 261
- GPI, 92B, 213; 93B, 248
- GPT, 94A, 202; 94B, 783
- Granulocytes, 92A, 97
- GRH I&II, 94A, 771
- Growth, 93A, 695
- Growth hormones, 93A, 467; 94A, 791
- Growth hormone-releasing factor, 93B, 615
- Growth rate, 92C, 135
- Gryllus bimaculatus, 92B, 691; 94B, 201
- GSH, 94C, 35, 87, 139
- GSH-peroxidases, 92A, 581
- GSHST, 93B, 921
- GST, 94B, 323, 343, 661
- GTP, 93A, 523; 94A, 257
- Guanethidine, 93C, 247
- Guanylate cyclase, 93B, 385
- Guinea-pig, 93C, 293
- Guinea pig hearts, 94C, 335
- H6PD, 92B, 1
- Hadrurus arizonensis, 92B, 137
- Haemagglutinin, 93B, 859
- Haematology, 94A, 623
- Haemocyanin, 92B, 17, 181, 323; 93B, 67; 94A, 195; 94B, 415, 587, 593
- Haemocyte proteins, 92B, 595
- Haemodialysis, 93B, 741
- Haemoglobin, 92A, 33; 92B, 103, 365; 93A, 319, 877; 93B, 549, 555, 935; 94B, 31, 71, 823
- Haemoglobin biosynthesis, 94A, 525
- Haemolymph, 93A, 757; 94A, 489, 531; 94B, 543
- Haemolympathic transport, 93A, 673
- Haemolymph carbohydrates, 93A, 543
- Haemolysins, 94B, 641
- Haemolytic peptides, 94B, 641
- Haemonchus contortus, 94B, 383
- Haemopoietic system, 93C, 175
- Haemorrhage, 93A, 725
- Haematological values, 92A, 31
- Hagfish, 94B, 99
- Halichoerus grypus, 93B, 119
- Haliotis kamtschatkana, 94C, 561
- Haliplanella luciae, 93A, 761
- Halocynthia pyriformis, 92B, 93
- Haloperidol, 93C, 23
- Halothane, 92C, 37; 93C, 333; 94B, 401
- Hamsters, 93C, 303; 94A, 603
- Harderian gland, 93A, 655; 94A, 427
- Harmathoe imbricata, 93C, 127
- Harmathoe lunulata, 93C, 127
- Harp seal, 92B, 119
- Hatching, 94A, 477
- HBDH, 92B, 1
- HDL, 92B, 787; 93A, 673; 93B, 371; 94B, 613, 735
- Heart activity, 94A, 37
- Heart proteins, 92B, 609
- Heart rate, 92A, 49
- Heart ventricle, 94C, 477
- Heat, 94A, 333

- Heat adaptation, 94A, 673  
Heating activation, 92B, 715  
Heat production, 92A, 159  
Heat shock proteins, 94B, 621  
Heat stress, 93A, 721; 94A, 683  
Heat stressed birds, 94A, 395  
Helisoma duryi, 94A, 653  
Helisoma trivolvis, 94B, 753  
Helix, 93C, 413; 94A, 735  
Helix aspersa, 92C, 45; 93C, 413; 94A, 9, 73  
Helix C3-motoneurone, 94C, 321  
Helix pomatia, 92C, 361, 391; 93A, 9; 93B, 229; 94C, 585, 655, 596  
Hemicentrotus pulcherimus, 92B, 319  
Hemicholinium-3, 93C, 87  
Heparin, 93B, 93, 899  
Hepatic allantoinase, 93B, 213  
Hepatic arylsulfatases, 94B, 125  
Hepatic enzyme systems, 94C, 235  
Hepatobiliary transport, 93A, 403  
Hepatocytes, 94A, 221, 721  
Hepatotoxicants, 93C, 43  
Herring gulls, 93A, 399  
Heterocentrotus mammillatus, 94B, 739  
Hexokinase, 92A, 455; 92B, 151  
5HIAA, 93A, 109; 93C, 167, 225  
Hibernating ground squirrels, 94B, 537  
Hibernation, 92A, 531, 609; 93A, 331  
Hippocampus, 93A, 195, 203, 211  
Hippoglossus hippoglossus, 94B, 607  
Hirudo medicinalis, 94A, 187; 94C, 635  
Histamine, 92C, 143  
Histones, 92B, 605; 93B, 163; 94B, 241  
Hizikia fusiforme, 94B, 379  
HK, 92B, 1, 9, 151, 307, 315; 93B, 248; 94B, 263, 303  
Holopus rangi, 93A, 391  
Holothurian toxin, 94C, 165  
Holothuria polii, 94A, 483  
Homarus americanus, 93C, 225  
Homarus gammarus, 93A, 53; 94B, 607  
Homarus vulgaris, 92B, 595  
Homo sapiens, 92B, 399, 681; 93A, 429  
Hormonal imprinting, 94A, 627  
Hormonal response, 93B, 727  
Hornet venom, 92C, 329  
Horses, 93A, 629; 93C, 201, 327; 94B, 735  
Horseshoe crab tropomyosin, 93B, 681  
Housefly, 92C, 231; 93C, 29; 94C, 255  
HPNS, 93A, 295  
HRP labeling, 94A, 405  
5HT, 92C, 81, 253, 289, 337, 343, 377; 93A, 12, 25, 183, 601; 93C, 61, 111, 127, 167, 225; 94A, 315; 94B, 487; 94C, 183, 189, 295, 307, 333, 511, 561  
5HT receptors, 93A, 107; 93C, 281  
5HT receptor subtypes, 93A, 107  
5HTP, 93C, 161, 225  
Human AA, 94B, 175  
Huso huso, 92B, 87  
Hybridization histochemistry, 93A, 233  
Hybridoma, 93B, 259  
Hydra oligactis, 94C, 249  
Hydrocarbon uptake, 93C, 155  
Hydrolagus colliei, 92B, 111  
Hydrolytic enzyme activities, 93B, 565  
Hydromantes genei, 93A, 319



- Iridophores, 92B, 533; 94C, 351      Kynurenine, 94B, 207
- Iron, 92A, 211; 93A, 811; 94A, 777; 94C, 207      Labrus bergylta, 93C, 247
- Iron kinetics, 92A, 215      Lace bugs, 93C, 253
- Iron status, 94A, 11       $\alpha$ -lactalbumin, 94B, 775
- ISI, 93A, 167      Lactate, 92B, 35; 94A, 743
- Isocitrate dehydrogenase, 93B, 823; 94B, 189      Lactoferrin, 93B, 929
- Isocitrate lyase, 94B, 779      Lactogenesis, 94B, 411
- Isoflurane, 92C, 39      Lagorchestes conspicillatus, 92A, 521
- Isoguvacine, 92C, 391      Lama glama, 94B, 789
- Isolated central nervous system, 93A, 9      Lama guanaco, 94B, 789
- Isolated mammalian CNS, 93A, 16      Lama pacos, 94B, 789
- Isoprenaline, 93C, 247      Lambs, 94B, 801
- Isoproterenol, 93C, 105, 243, 341; 94A, 263      Lampetra planeri, 94B, 435
- Ivermectin, 93C, 97      LA/N-cp rats, 94A, 225, 597
- Ja values, 92A, 101      Lanthanum, 93C, 111
- J H esterase, 92A, 163      Lap locus, 92A, 71
- Juvenile hormone, 92A, 9; 92B, 123; 94A, 795      Larus argentatus, 93A, 400; 94C, 461
- Kadethrin, 93C, 149      Larus glaucopterus, 93A, 400
- Kainic acid, 92C, 205; 93A, 211; 93C, 321      Lateral line, 93C, 73
- Ketamine, 94C, 29, 133      Latrodectus hesperus, 92B, 137
- $\alpha$  KG, 93B, 883      LCAT, 94B, 389
- Killer activity, 94A, 11      LDH, 92B, 213, 307, 315, 395; 93B, 85, 99, 248, 391, 858; 94B, 59, 783
- Kinins, 92C, 117      Ldh-2, 94B, 423
- Kraft pulp mill effluent, 92C, 51      LDH-A<sub>4</sub>, 93B, 11
- Krill, 93B, 255; 94C, 313      LDL, 93A, 673; 94B, 613, 735
- Kynuramine, 94C, 129      LD rhythms, 94B, 415, 467, 519
- Kynurename, 92C, 205      Lead, 94B, 65; 94C, 327
- Kynureninase, 93B, 107      Learning and memory, 93A, 273
- Lecithin, 94B, 389      Lectin, 92B, 255; 93B, 145
- Lectin-nitrocellulose, 93B, 259      Leech, 94C, 295
- Leiopotherapon bidyanus, 93B, 715      Leipoa ocellata, 92A, 207

- Leishmania donovani, 93B, 789      Lipid composition, 94B, 185  
Leishmania major, 94B, 453      Lipid constituents, 92B, 755  
Leishmania mexicana, 94B, 335      Lipid fractions, 94B, 525  
Leishmania promastigotes, 94B, 335      Lipid metabolism, 94A, 33  
Leishmania tropica, 93B, 789      Lipid peroxidation, 93B, 485  
Lens proteins, 94B, 625      Lipids of mammalian hair, 92B, 759  
Lepeophtheirus salmonis, 92C, 197;      Lipogenesis, 93B, 561, 773; 94B, 709;  
  93C, 143      94C, 619  
Lepidochelys kempi, 94B, 375      Lipolysis, 93B, 773; 93C, 275  
Lepidogalaxias salamandroides, 92A,      Lipolytic enzymes, 92B, 637  
  137      Lipoperoxidation, 93B, 647  
Lepidosiren paradoxa, 93A, 561;      Lipophorin, 92B, 197  
  94A, 95      Lipopolysaccharides, 94B, 837  
Lepomis macrochirus, 93C, 11      Lipoprotein, 94B, 355, 613, 735  
Leporinus friderici, 94B, 823      Lipoprotein lipase, 93C, 49; 94B, 13,  
Leptasterias polaris, 92B, 411      19  
Leptogorgia virgulata, 94B, 651      Littorina littorea, 93C, 231; 94C, 641  
Leucokinins I-IV, 93C, 257      Liver, 93B, 217, 223  
Leucophaea maderae, 92A, 117; 93C,      Liver function, 93A, 349  
  257      Liver nuclear proteins, 94B, 511  
Leu-enkephalin, 92C, 361, 364      Liver uricase, 94B, 469  
Leukocytes, 94A, 693      Lizard, 94C, 441  
LH, 92A, 499; 93B, 735      Lobsters, 93A, 53  
LHRM, 92C, 301      Lobster haemolymph, 93C, 225  
Lidocaine, 94A, 183      Locomotor stereotypies, 93C, 161  
Ligia exotica, 92A, 513; 94A, 471      Locusta migratoria, 92B, 133; 93A, 729;  
Limax maximus, 94C, 183, 485      93C, 287; 94A, 249; 94B, 293; 94C, 143  
Limnodrilus hoffmeisteri, 92A, 551      Loliga edulis, 92B, 247  
Limulus polyphemus, 92C, 81; 93A,      Loligo pealei, 94C, 381  
  9; 93B, 681, 883      Loligo vulgaris, 94A, 477  
Linckiacyanin, 93B, 339      Lower oesophageal sphincter, 93C, 293  
Linckia laevigata, 93B, 339      LPO, 94B, 237  
Linoleic acid, 92A, 299      LTP, 93A, 207  
Liophura japonica, 93B, 665      Lumbricus rubellus, 92C, 15  
Lipase, 93B, 181      Lumbricus terrestris, 92A, 229; 93B,  
Lipid, 93B, 223, 807      509; 94B, 703

- Lumbriculus variegatus, 94C, 373  
Luminescence, 94C, 521  
Lung, 93A, 677; 93B, 223  
Lung proteins, 92B, 645  
Lutein, 92A, 111; 93B, 503  
Lutjanus bohar, 93B, 605  
Lutjanus griseus, 94A, 95  
Lymantria dispar, 92A, 9; 93A, 767  
Lymnaea stagnalis, 92A, 53, 445,  
479; 92C, 39, 377; 93A, 42, 72, 633, MAO-B, 93C, 421  
833, 861; 93C, 115, 115, 333  
Lymphoblast, 93B, 259  
Lymphoid tissues, 93C, 377  
Lymphokine, 94A, 11  
Lysates, 93B, 803  
Lysosomal enzymes, 92A, 285  
Lysosomal structure, 93C, 231  
Lysozyme activity, 92B, 523  
Lytechinus pictus, 92B, 251  
Lytic system, 93A, 587
- Macaca fascicularis, 94B, 461  
Macaca mulatta, 93B, 575  
Macacus cynomolgus, 92B, 645  
Macoma balthica, 93B, 711  
Macrolide compounds, 93C, 97  
Macrophage, 94A, 721  
Macropus rufogriseus, 93A, 483  
Macropus rufus, 92A, 495  
MAGL, 94B, 13, 19, 27  
Magnesium, 93B, 39; 94A, 477  
Magnesium ATPase, 94A, 57  
Malate dehydrogenase, 92B, 213, 395  
Malate synthase, 94B, 779  
Male reproductive system, 93B, 807  
Maltase-glucoamylase, 94B, 1
- Mamestra brassicae, 92A, 285  
Mammalian heart, 94B, 225  
Mammary blood, 92A, 385  
Mammary gland, 92B, 157; 93B, 929  
Mammary secretion, 92B, 157  
Mammary tissue, 92A, 145  
Mandibular glands, 93A, 777; 93B, 73  
Manganese, 92C, 29; 93A, 85  
MAO, 92C, 1; 93C, 307; 94C, 41  
MAO-B, 93C, 421
- Marmosa elegans, 94A, 261  
Marsupials, 93A, 331  
Marsupial TBW, 92A, 526  
Marthasterias glacialis, 93A, 587  
Mastocytoma P-815, 94B, 561  
Mazindol, 92C, 385  
MDA, 94B, 237  
MDH, 92B, 9; 93B, 33; 94B, 475  
Mechanoreceptors, 92A, 171; 94B, 277  
Mediated transport, 92A, 153  
Megachile rotundata, 94B, 661  
Megathura crenulata, 94A, 195  
Melanonous zugmayeri, 94B, 329  
Melanophores, 92C, 1; 93C, 67, 247, 313  
Melanoplus infantalis, 94B, 117  
Melanoplus sanguinipes, 94B, 117  
Melanosome-aggregating nerves, 93C, 207  
Melosome movements, 94C, 631  
Melatonin, 92A, 323; 93A, 791; 93C,  
239; 94A, 427  
Melbiose, 93A, 545  
Meleagris gallopavo, 92B, 549; 93A,  
451, 811  
Meles meles, 93A, 791; 94B, 226  
Melongena corona, 94B, 415  
Membrane resistances, 93A, 685

- Mepyramine, 92C, 333                    L-1-methyl-histidine, 94B, 45
- $\beta$ -mercaptopyruvate sulfurtransferase, 3-methylindole, 94A, 677; 94C, 591  
92C, 259                    4 $\alpha$ -methylsterols, 93B, 753
- Mercenaria mercenaria, 94B, 813                    Methyl xanthine, 93C, 207
- Mercenaria stimpsoni, 92C, 349                    Methysergide, 93C, 127
- Mercuric chloride, 94C, 139, 265                    Metridium senile, 92C, 201; 93A, 761;  
Mercury, 94B, 65; 94C, 199                    94C, 435
- Mercury binding proteins, 94C, 309                    MFO, 92B, 329; 93B, 465; 93C, 11, 29,  
Meretrix lusoria, 92C, 283                    155; 94C, 461
- Meriones unguiculatus, 93A, 857;  
94C, 357, 399                    MHC, 93B, 259
- Merlangius merlangus, 94C, 533                    MHPG, 93C, 167
- Merluccius gayi, 94B, 195                    Mianserin, 92C, 333; 93C, 127
- Meromyosin, 92B, 481                    Microsomal apyrase, 93B, 911
- Mersalyl, 92C, 289                    Microtus pennsylvanicus, 93A, 445
- Mertensiella luschani, 92B, 469                    Microvillus, 93A, 617, 623; 93B, 39
- Mesocricetus auratus, 92B, 667;  
93A, 9; 93C, 49, 121, 303; 94A, 427                    Milbemycin, 93C, 97
- Mesocricetus sapiens, 92B, 399                    Milk composition, 93A, 483; 94A, 639
- Mesotocin, 92A, 423; 93A, 721, 717                    Milk yield, 93A, 479
- Metabolic rate, 93A, 345, 391; 94A,  
597                    Mink, 92A, 355
- Metabolic responses, 92A, 613, 619                    Mipafox, 92C, 211
- Metabolism, 92A, 207, 359; 94A, 167                    Mitochondria, 92B, 59; 93B, 883; 94B,  
537, 631
- Metal-binding protein, 94B, 285                    Mizuhopecten yessoensis, 92C, 23, 349;  
Metalloproteins, 92C, 15                    94B, 277
- Metallothioneins, 92B, 463; 92C, 189; Molgula occidentalis, 92B, 93  
93C, 327, 367; 94C, 93, 243                    Mongolian gerbil, 93A, 857
- Metamorphosis, 92A, 285                    Monoacylglycerol lipase, 94B, 13, 19,  
Metazolamide, 93A, 699                    27
- Metenkephalin, 92C, 140                    Monoamines, 93C, 127; 94C, 223, 493
- Methadone, 93C, 359                    Monoamine oxidase, 92C, 401
- Methionine, 92C, 45, 46                    Monoaminergic nerves, 92C, 1
- Methylamine, 93A, 845                    Monoclonal antibody, 93B, 67
- 3-methylcholanthrene, 94C, 543                    Monodelphis domestica, 92B, 569; 94B,  
Methyl ergometrine, 93C, 161                    125

- Mononuclear cell, 92B, 157      Muscle training, 94A, 1  
Monooxygenase, 93B, 465      Muscular tonus, 94C, 441  
Monostroma nitidum, 94B, 379      Mus musculus (also see mouse), 92B,  
MonoterpeneS, 92B, 99      399, 609, 681, 685; 93A, 331; 93B, 187,  
Mordacia mordax, 93B, 549      265; 94B, 213  
Morimus funereus, 94A, 167      Mussels, 93C, 389  
Morone saxatilis, 92C, 125; 93A, 535 Mussel tissues, 93B, 747  
Morphine, 92C, 319; 93C, 359      Mustela vision, 92A, 355  
Motoneurons, 93A, 711      Mustelus manazo, 92B, 87  
Motor-neuronal functions, 94A, 471      Mutagenicity, 92C, 371  
Motor unit organization, 93A, 115      Mya arenaria, 94B, 837  
Mouse, 92A, 85, 181, 263, 365, 371;      Mycotoxin, 93C, 33  
94A, 659      Myelin, 92B, 369  
Mouse brain, 94C, 575      Melinated afferent fibres, 92A, 435  
Mouse cardiac muscle, 94A, 667      Myenteric plexus, 94C, 527  
Mouse embryos, 92B, 365      Mygalomorph spiders, 93A, 757  
Mouse soleus muscle, 94A, 799      Myliobatis, 94B, 687  
Mouse strains, 92C, 173      Myliobatis goodei, 94B, 687  
Mouse striatum, 94C, 625      Myocardia, 92A, 259  
MPTP, 94C, 625      Myoglobin, 94B, 569  
mRNA, 93B, 803, 835, 905      Myosin, 92A, 441; 93B, 159  
MS 222, 92B, 5; 94A, 221      Myosin-actin weight ratio, 93A, 327  
 $\alpha$ -MSH, 93A, 267; 93C, 67, 239      Myosin isoenzymes, 92B, 727  
Mucor rouxii, 94B, 635      Myosin light chains, 93B, 355  
Mucus, 94A, 362      Myristylated disulfide, 92B, 705  
Musca domestica, 93C, 29, 193; 94B,      Myrmecophaga tridactyla, 92B, 357  
323      Mytilus edulis, 92B, 239; 375; 92C, 189,  
Muscarinic, 94C, 1, 15, 159      283, 289, 349; 93A, 413; 93C, 189, 381;  
Muscarinic receptors, 93C, 287;      94A, 383; 94B, 299, 621, 729, 837  
94C, 625      Mytilus galloprovincialis, 92C, 371;  
Muscimol, 92C, 391; 94C, 271      93B, 747; 93C, 389  
Muscle, 93B, 503      Mytilus inhibitory peptides, 93C, 381  
Muscle calpains, 94B, 45      Mytilus smooth muscle, 92C, 289; 93C,  
Muscle collagen, 94B, 349      189  
Muscle protein metabolism, 92A, 485      Myxine glutinosa, 94B, 99  
Muscle receptor organ, 93A, 53      Myxocyprinus asiaticus, 93B, 27

- NA (noradrenaline), 92A, 37, 263; 92B, 549; 92C, 1, 245, 323; 93B, 730; 93C, 23, 171, 207, 247, 275, 303, 314, 350, 359, 413; 94A, 597  
 NA-receptor, 93C, 413  
 NAD(H), 94B, 655  
 $\text{NADP}^+$  isocitrate dehydrogenase, 92B, Nialamide, 92C, 237  
 517  
Naja, 92C, 279  
 $\text{Na}^+, \text{K}^+$ -ATPase, 94B, 487  
 Naloxone, 92C, 319  
 Naltrexone, 92C, 139; 94A, 41  
 Naphthalene, 94C, 289  
 $\beta$  naphthoflavone, 92C, 223  
 1-naphthol, 93C, 231  
 Naphthylpiperazine, 93C, 127  
Nassarius reticulatus, 94B, 285  
 Natriuretic factor-like, 94A, 515  
Natrix natrix, 94B, 361  
 NDH, 92B, 1  
Nectarinia sp., 92A, 393  
Necturus maculosus, 94A, 243  
 NEFA, 93A, 455  
 NEM, 94A, 125  
Nemaster rubiginosa, 93A, 391  
 Nematocyst, 94B, 641  
Neocicindela perhispida, 94A, 749  
 Neostigmine, 92C, 381  
 Neral, 93B, 73  
Nereis, 93B, 859  
 Nereis diversicolor, 94C, 555  
Nereis virens, 93B, 859  
 Nerve-cord extracts, 94C, 603  
 Neuroactive polyamines, 93C, 403  
 Neurokinin A, 94C, 533  
 Neuromodulatory review, 94A, 555  
 Neurons, 93A, 633  
 Neuroparsin, 94A, 249  
 Neuropeptide, 93B, 299; 93C, 257  
 Neurosecretion, 94A, 167  
 Neurotransmitters, 93C, 207  
 NGF, 93A, 133  
 Nickel, 92C, 73  
 Nicotinic AChR, 93A, 221; 94C, 1, 15  
 Nicotinic transmission, 93C, 403  
 Nicotinic-type unitary currents, 93A, 47  
 Nifedipine, 92A, 109  
Ninoponera, 92C, 117  
Nitellopsis obtusa, 94A, 141  
 NMDA, 92C, 205; 93A, 174, 179, 195, 203, 211  
 NMR studies, 94B, 679  
 Nonshivering thermogenesis, 93C, 105  
 Normoxia, 94C, 391  
Notothenia neglecta, 93A, 819  
 NPEPP, 92C, 211  
 Nuclear DNA, 94B, 465  
 5'-nucleotidase, 93B, 673  
 Nucleotides, 93B, 307  
Nucleus raphes magnus, 93A, 711  
 Obesity, 92A, 37  
 Ocelli, 92A, 429  
Octodon degus, 92C, 319; 93C, 359; 94A, 261  
 Octopamine, 92C, 245, 333; 93C, 225, 289, 295, 413; 94C, 143, 295  
Octopus, 93C, 23  
Octopus ocellatus, 92B, 247  
Octopus tehuelchus, 92A, 571

- Octopus vulgaris, 93A, 42; 93C, 23; Organic nitrogenous metabolites, 92B, 94A, 731  
ODH, 92B, 1  
Odocoileus virginianus, 92C, 315  
Odonthestes bonariensis, 94B, 423  
Odor response patterns, 92A, 505  
6-OH DA, 93A, 137  
8OH-DPAT, 93A, 107  
Oil, 93C, 221  
Olfactory responses, 94A, 713  
Oligosaccharide, 93B, 259  
Olios fasciculatus, 92B, 137  
Omasum, 94A, 105  
Ommatidia, 92A, 331, 343  
Onchorhynchus keta, 93B, 503  
Onchorhynchus kisutch, 93B, 503  
Oncopeltus fasciatus, 93B, 799  
Oncorhynchus gorbuscha, 94C, 289  
Oncorhynchus keta, 93B, 615  
Oncorhynchus kisutch, 93B, 255, 615, 835; 93C, 155  
Oncorhynchus mykiss, 94C, 303  
Oncorhynchus rhodurus, 94A, 713  
Oncorhynchus sp, 92A, 279  
Oncorhynchus tshawytscha, 93B, 11; 94C, 235  
Oocypode saratan, 94A, 755  
Oocytes, 93B, 471  
Opioids, 92C, 139; 94A, 41  
Opiomelanocortin, 93A, 267  
Opsanus tau, 93B, 49  
Orchesella cincta, 93A, 691  
Orchestia sp. 93B, 905  
Oreochromis aureus, 93B, 363  
Oreochromis niloticus, 92A, 605; 93A, 439; 94B, 829  
711  
Organophosphate, 92A, 259  
Organophosphate acid anhydrase, 92C, 211; 94C, 365  
Ormetoprim, 94C, 303  
Orthocladius akamushi, 92B, 691  
Orthoporus ornatus, 92B, 137  
Oryctolagus cuniculus, 92B, 263, 399, 681, 779; 93A, 429; 93B, 125, 403, 417; 93C, 49; 94A, 525  
Oryzias javanicus, 92B, 529  
Oryzias latipes, 93B, 11  
Oryzias melastigma, 92B, 529  
Osmoregulation, 92A, 195, 235; 93A, 313  
Osmotic constituents, 94A, 493  
Osmotic fragility, 94A, 455  
Osmotic responses, 92A, 377  
Osmotic stress, 93A, 499  
Osmotic tolerance, 94A, 333  
Osmotic water, 92A, 15  
Ostrinia nubilalis, 93A, 375  
Otocalcium phosphate, 93A, 651  
Otoliths, 92A, 189  
Otomys unisulcatus, 94A, 215  
Ouabain, 93A, 13, 301; 93C, 181, 341  
Ovary, 93B, 503  
(Ovibos muschatos) hemoglobin, 94B, 135  
Ovine choriomammotropin, 93A, 489  
Ovis aries, 92B, 399, 681, 759; 92C, 259; 93A, 429, 489; 93B, 77, 465, 741, 857; 94A, 105, 401, 717; 94B, 493, 801  
Oxidases, 93B, 271  
Oxidative deamination, 94C, 465  
β-oxidation, 92B, 129  
Oxidative metabolism, 92B, 779

- Oxidative phosphorylation, 94B, 537      Panthera onca, 94B, 226
- Oxotremorine, 93C, 289      Panting, 92A, 91
- Oxygen binding, 92A, 421; 94B, 315      Panulirus argus, 92C, 413; 93A, 53; 93B, 595
- Oxygen conductance, 92A, 279      Panulirus japonicus, 93A, 419
- Oxygen consumption, 93A, 473, 707; 93C, 37      Panulirus longipes, 94B, 220
- Oxygen-paradox, 94A, 667      Papaverine, 92A, 108
- Oxygen stress, 93A, 535      Papilio machaon, 94B, 207
- Oxygen uptake, 94A, 147, 205      Paralichthys olivaceus, 93B, 397
- Oxytocin, 92A, 15; 92C, 273; 93A, 191; 94C, 655      Paramecium caudatum, 93B, 555; 94A, 333
- $pO_2$ , 93A, 451      Paramecium jenningsi, 93B, 555
- P450, 92B, 329; 92C, 109, 223; 93B, 921; 93C, 55, 155, 269; 94B, 99; 94C, 215, 345, 543, 613      Paramecium multimicronucleatum, 93B, 555
- Pachygrapsus crassipes, 93A, 511      Paramecium tetraurelia, 94A, 25
- Pacifastacus lenuisculus, 92C, 201; 93C, 307      Paramyosin, 94B, 813
- PAF, 92C, 67; 93B, 113; 94A, 47      Paraoxon, 92C, 197; 94C, 515
- Pagellus sp., 93B, 873      Paraponera, 92C, 117
- Pagophilus groenlandicus, 92B, 119      Parasilurus asotus, 92B, 347
- Pagrus major, 92B, 405; 93B, 379, 397      Pargyline, 93C, 308
- Palinurus vulgaris, 94B, 593      Parietal eye, 94A, 339
- Palmitate, 93B, 5      Parkinson's disease, 93A, 141
- Palmitic acid, 93B, 763      Parophrys vetulus, 93C, 43
- Palythoa dartevellei, 94B, 91      Parotid gland, 94A, 137
- Palythoa monodi, 94B, 91      Parotid saliva, 92A, 589
- Palythoa senegalensis, 94B, 91      Parotomys brantsii, 94A, 215
- Palythoa variabilis, 94B, 91      Parus carolinensis, 92A, 473
- Pancreatic digestive enzyme, 92A, 313; 93A, 703      Parus major, 92A, 219
- Pancreatic juice, 93B, 793      Parus montana, 92A, 219
- Pancreatic stone protein, 93B, 793      Parvalbumin, 93B, 49
- Pandalus kessleri, 94B, 445      Passer domesticus, 92A, 219
- Patch clamp, 92A, 61; 93A, 50
- Patella caerulea, 93B, 247
- Patinopecten yessoensis, 92B, 481; 93A, 327; 93C, 349; 94C, 595
- PC, 94B, 521
- PCMP, 94A, 125

- Pecten maximus L. 93B, 21, 307; 94B, Petricola pholadiformis, 94B, 779  
837 Petromyzon marinus, 92B, 385
- Pedal ganglia, 93A, 861 PFK, 92A, 455; 92B, 67, 307, 315; 93B,  
Pedal neurone, 94A, 735 248, 517; 94B, 263, 697
- Penaeus chinensis, 94B, 349 PG, 94A, 575, 677
- Penaeus duorarum, 92B, 369 PGE<sub>2</sub>, 93B, 1
- Penaeus japonicus, 92B, 45; 94B, 220 PGF12, 92C, 95
- Penaeus monodon, 94B, 607 PGI, 92B, 307, 315
- Penaeus vannamei, 94B, 253 pH, 94A, 477; 94C, 169
- Penguins, 92B, 307 pH regulation, 93B, 539
- Penguin serum, 92A, 43 Phagocytosis, 92C, 139
- Pentobarbital, 92C, 9 Phenazine methosulphate, 92A, 133
- PEP, 92B, 153, 377; 94B, 303 Phenobarbital, 94C, 543
- PEPCK, 93B, 857 Phenoloxidase, 93B, 595; 94B, 117
- Pepsin, 93A, 439; 94B, 41 Phenolsulfonphthalein, 93A, 403
- Peptidergic neurons, 94C, 567 Phenoxybenzamine, 92C, 289
- Peptides, 94C, 199, 455, 485 2-phenoxyethanol, 94A, 221
- C-peptide of proinsulin, 93B, 359 Phentolamine, 92C, 149; 93C, 25, 68
- Perca fluviatilis, 93B, 653; 94B, 99 Phenylalanine, 92A, 313, 319
- Perch, 94B, 99 Phenylalanine transport, 94A, 209
- Perfluorochemicals, 94C, 345 Phenylephrine, 93C, 413
- Perfluorochemical emulsion, 93C, 377 Phenylethylamine, 92C, 401
- Perfused hearts, 93A, 331 N-β-phenyl-propionyl-L-tyrosine, 93C, 181
- Pergolide, 93C, 115 Philanthotoxins, 93C, 403
- Perinereis cultrifera, 92B, 167 Philanthus triangulum, 93C, 403
- Periplaneta americana, 92A, 129; 92B, 691; 92C, 237, 245; 93A, 9, 85; 93C, 87, 253, 403; 94B, 165; 94C, 515 Philine aperta, 94C, 567
- Periplanones, 92A, 129; 92C, 193 PHMB, 94A, 125
- Permethrin, 93A, 63 β-phocaecholic, 92B, 357
- Peronidia venulosa, 92C, 349 Phoca hispida, 93B, 119
- Peroxidase, 92C, 5 Phodopus sungorus, 92A, 219
- Peroxisomal enzymes, 93B, 477 Phoronis architecta, 94B, 31
- Pesticide research, 93A, 63 Phosphate-hemoglobin interactions, 92B, 587
- Phosphatidylcholine, 92B, 45, 167, 319; 93B, 223, 217

- Phosphatidylethanolamine, 92B, 45, 167, 319; 93B, 1, 119, 217, 223
- Phosphatidyl inositol, 93B, 1, 119
- Phosphatidylinositol kinase, 92B, 487
- Phosphatidyl serine, 92B, 251
- Phosphine, 94C, 425
- Phosphocreatine, 92A, 259; 93B, 251
- 6-Phosphofructo-1-kinase, 94B, 269
- Phosphoglycerides, 94B, 575
- Phospholipase A, 92B, 501
- Phospholipase C, 92C, 82; 94B, 561
- Phospholipids, 92B, 319; 93A, 673; 93B, 21, 119
- Phosphorylation, 94B, 487, 813
- Phosphotriesters, 92C, 309
- Photoadaptation, 93B, 601
- Photoperiods, 93A, 445, 791; 94A, 519
- Photophobis, 92A, 101
- Photoresponses, 92A, 101; 94A, 125
- Phototaxis, 92A, 101
- Phyllotis darwini, 94A, 261
- PI, 94B, 561
- Picrotoxin, 92C, 9, 391
- Pieris brassicae, 92A, 285; 93A, 543; 94A, 499; 94B, 53
- Pigeon erythrocyte, 93B, 697
- Pigeons, 92A, 91
- Pig heart, 93B, 517
- Pigment migration, 93C, 67
- Pigs, 92B, 59; 93C, 201
- Pimelodus maculatus, 94B, 65
- Pinctada fucata martensii, 92B, 455
- Pinealectomy, 93A, 445
- Pineal gland, 94C, 159
- Pineal melatonin, 94A, 467
- Pineal melatonin rhythm, 94A, 53
- PI-PLC, 93B, 673
- Pirimiphosmethyl, 94C, 419
- Pituitary preparation, 94A, 305
- PK (pyruvate kinase), 92B, 67, 151, 307, 315, 375; 93B, 248, 697; 94B, 263, 303, 783
- Plankton, 92B, 75
- Plankton sterols, 94B, 143
- Planorbis corneus, 92C, 301
- Plantaris muscle, 93B, 157
- Plant phenols, 93B, 206
- Plasma calcium, 93A, 651
- Plasma chemistry, 92A, 43
- Plasma growth hormone, 93A, 337
- Plasma lipids, 93A, 407
- Plasma lipoprotein separation, 93B, 279
- Plasmalogens, 92B, 733
- Plasma protein, 92B, 555, 645; 94B, 647
- Plasminogen, 93B, 325
- Plasmodium yoelii, 92A, 85
- Platelets, 93B, 119
- Platelet-activating factor, 93B, 113
- Platelet aggregation, 92C, 67; 94A, 47
- Platelet monoamine oxidase, 93C, 421
- Platichthus flesus, 93B, 653; 94C, 499
- Platycephalus bassensis, 92C, 253
- PLC, 94B, 561
- Pleoticus muelleri Bate, 92B, 271; 93B, 807
- Pleurodeles walti, 93C, 213
- Pleuronectes platessa, 92B, 1; 93A, 455
- Plutella xylostella, 93C, 81
- Pneumostome, 94A, 735
- Pogonomyrmex sp. 92C, 117

- Polyamines, 92B, 691; 94B, 581      Propanolol, 92C, 143, 149, 289; 93C,  
Polybia sp. 92C, 117                    105, 127  
Polypeptides, 92B, 763                  Propionate, 92B, 35  
Polyplloid trout, 93A, 839            Propionate metabolism, 92B, 227  
Pomacea sp. 93B, 899                    Propionylcholinesterase, 94C, 23  
Pomatoschistus minutus, 94C, 351    Propylthiouracil, 92B, 659  
Pongo gorilla, 94B, 647                Prostacyclin (PGI<sub>2</sub>), 93A, 477  
Pongo pygmaeus, 94B, 647                Prostaglandins (also see "PG"), 92C,  
Pony, 94B, 735                            185; 93B, 397; 94C, 595  
Porcellio scaber, 93A, 493            Prostaglandin biosynthesis, 93B, 1  
Porcine adipose tissue, 92B, 493    Prostaglandin H synthase, 93C, 253  
Porphobilinogenase, 92B, 291, 297    Prostanoids, 92C, 185  
Porphyrin, 93A, 660; 94A, 427        Prosthetic grafts, 92A, 327  
Portunus trituberculatus, 92B, 323    Proteases, 93A, 439; 94B, 85  
Post-heparin effluents, 94B, 13,       Protease inhibitors, 94B, 85  
19, 27                                        Protein AA, 94B, 765  
Posture, 93A, 281                        Proteinases, 92B, 51  
Posture changes, 94A, 159                Proteinase inhibitor, 92B, 51  
Potassium, 92A, 101, 577; 94A, 477    Proteins, 92B, 9  
Potassium ATPase, 94A, 57                Protein binding, 93A, 349  
Prazocin, 93C, 189, 247; 94C, 229    Protein degradation, 92A, 305  
Priacanthus arenatus, 94B, 329        Protein kinase C, 92B, 251  
Pristopomoides macrophthalmus, 94B,    Protein hydrolysis, 92A, 81  
329    Protein secretion, 94A, 137  
PRL, 92A, 499                            Protein turnover, 92A, 555  
Procaine, 92A, 185                        Proteoglycans, 92B, 651; 93B, 859  
Procambarus bouvieri, 93B, 299        Proton efflux, 93A, 845  
Procambarus clarkii, 92B, 329;        Protophormia terraenovae, 93A, 523;  
93C, 149                                    94A, 257  
Procarbazine, 93C, 397                    Pseudacris triseriata, 94A, 519  
Proctolin, 93A, 419                        Pseudechis australis, 92B, 501  
Progesterone, 93A, 423, 857            Pseudemys scripta, 92A, 21; 93B, 539;  
Prolactin, 92A, 197, 247; 93A, 791; 94A, 515; 94B, 475  
93B, 730                                    Pseudemys scripta elegans, 93A, 519  
Proline, 93B, 883                        Pseudoboletia maculata, 94B, 739  
Pro-OMLC, 93A, 267                        Pseudocheirus peregrinus, 94B, 775

- Pseudopleuronectes americanus, 93C, 313  
PSP, 93B, 793  
PSTH, 93A, 141  
PT2, 93A, 601  
Pterophyllum scalare, 93B, 99  
PUFA, 93B, 647; 94B, 367  
Pulmonary stretch, 93A, 281  
Purines, 93A, 32  
Purine catabolism, 92B, 631  
Purinergic receptors, 92C, 413  
Putrescine, 94B, 569  
Pycnopodia helianthoides, 93A, 695  
Pygoscelis antarctica, 92B, 307  
Pygoscelis papua, 92A, 43; 92B, 307  
Pyrethroids, 93A, 63; 93C, 149  
Pyrilamine, 92C, 143  
Pyura chilensis, 94A, 777  
  
Quercetin, 94B, 661  
Quinidine, 92A, 479  
Quinine, 92A, 108; 92C, 27  
Quisqualate, 92C, 205; 93A, 174, 198  
  
Rabbit, 93B, 403  
Rainbow trout, 93B, 499; 94C, 215  
Rainbow trout body mucus, 93A, 571  
Raja erinacea, 93B, 583  
Raja oscellata, 93A, 433  
Rana catesbeiana, 92A, 107, 435; 92B, 715; 94A, 539; 94B, 845  
Rana esculenta, 92C, 263, 425; 93A, 593; 93B, 877; 93C, 33  
Rana japonica, 92C, 61  
Rana perezi, 94C, 391  
  
Rana pipiens, 92C, 205; 93A, 717; 93C, 137  
Rana ridibunda, 94A, 173  
Rana temporaria, 92A, 133; 93A, 9; 93B, 85; 94A, 125  
Rangia cuneata, 94C, 365  
Rangifer tarandus, 94B, 129  
Rania thomasiana, 92C, 283  
Raster display, 93A, 169  
Rat, 93C, 269, 275, 367, 407; 94A, 69, 89, 273, 603, 813; 94C, 29, 93  
Rat adipocytes, 93C, 275  
Rat blood cells, 93C, 175  
Rat colon, 94C, 173  
Rat kidney function, 94C, 581  
Rat myometrial Na/K ATPase, 93C, 341  
Rat spinal cord, 93A, 177  
Rat submaxillary glands, 94A, 673  
Rattus norvegicus, 92B, 67, 399, 609, 685, 715, 779; 93A, 331, 383, 403, 463, 597, 851; 93B, 157, 265, 279, 813; 94A, 61, 69, 89, 99, 153, 183, 225, 273; 94B, 13, 19, 27, 399, 405, 415, 525, 555, 697  
Rattus rattus, 93C, 49, 355, 359, 367, 407  
  
RBC life span, 92A, 215  
Rb uptake, 93C, 341  
Receptors, 93A, 25  
Receptor-ionophore, 93A, 13  
Receptor potential, 94A, 591  
Rectus abdominis, 92C, 27  
Red blood cell, 92A, 291; 93A, 429  
Reflex activity, 92A, 171  
Regeneration, 93A, 133; 93B, 391  
Regeneration of CNS, 93A, 301

- Reindeer hemoglobin, 94B, 129  
Relaxin, 93C, 341  
Relaxing response, 92C, 289  
Renal function, 92A, 241; 94A, 243  
Renal hemodynamics, 92A, 423  
Renal structure, 92A, 531  
Renal tubule glycolysis, 92B, 67  
Renin release, 94A, 575  
Reproductive cells, 92A, 1  
Reserpine, 92C, 405  
Resistance to infections, 94A, 11  
Respiration, 92B, 549; 93A, 313, 877; 94A, 755; 94B, 537  
Respirometer, 93A, 577  
Resting metabolism, 94A, 587  
Rete mirabile, 92A, 467  
Reticulo-ruminal motility, 94A, 635  
Retina, 94C, 271  
Retinal rods, 94A, 125  
 $\text{Retinol}_2$ , 94B, 481  
Retinol-binding, 94B, 79  
Retzius cell, 93A, 63  
Reynolds number, 94A, 383  
Rhithropanopeus harrisii, 93A, 313  
Rhizoglyphus echinopus, 94C, 465  
Rhodanese, 92C, 259  
Rhodopseudomonas palustris, 92B, 291  
Rhomboplites aurorubens, 93B, 589  
Rhythms, 92A, 189  
Riboflavin, 93B, 291  
Ribosomal genes, 92B, 449  
Ricefish, 92B, 529  
RNA, 93A, 233; 93B, 905  
RNA - fish, 93B, 57  
Ro5-4864, 93C, 30, 193  
Root effect, 92A, 467; 94A, 147; 94B, 315  
Roughage diet, 94A, 635  
Rutilus rutilus, 92B, 727  
Saccharides, 92B, 681  
Saccharomyces cerevisiae, 92B, 297  
Saimiri sciurens, 93B, 575  
Salamander salamander, 93A, 319  
Salamandra salamandra, 92B, 469  
Salarasin, 93A, 507  
Salicylate, 93C, 73  
Saline load, 92A, 551  
Salinity, 93A, 439, 549, 601, 785  
Saliva, 92A, 495  
Salivation, 92A, 495  
Salmo gairdneri, 92A, 81; 92C, 401; 93A, 571, 699, 839; 93B, 5, 485, 499, 503, 565; 94A, 147, 221, 277, 305, 439, 699, 791; 94B, 315, 367, 481, 575  
Salmonid eggs, 92A, 279  
Salmonid fishes, 93B, 503  
Salmo salar, 92A, 235, 241, 247; 92B, 277, 55; 92C, 197  
Salt taste, 94A, 89  
Salvelinus alpinus, 92A, 599  
Salvelinus fontinalis, 92C, 223  
Salvelinus namaycush, 93B, 583  
Salyrgan, 93A, 601; 93C, 11  
Sarcophaga bullata, 92B, 123; 94B, 85  
Sardinops melanostica, 93B, 213  
Sarin, 92C, 197  
Sarotherodon niloticus, 93C, 207  
Saurida elongata, 92B, 715  
Scallop, 93A, 327  
Scapharca inaequivalvis, 92B, 755; 93B,

- 193, 753, 819  
SCFA, 93A, 851  
SCH 23390, 94C, 341  
Schistocerca gregaria, 92C, 9, 333; 93A, 64  
Schistocerca vaga, 93A, 751  
Schistosoma japonicum, 93B, 635  
Schistosoma mansoni, 93A, 899; 93B, 33, 635; 93C, 397; 94A, 41; 94B, 427, 543, 807  
Schistosomiasis, 94A, 41  
Schizophrenia, 93A, 291  
Scolopendra heros, 92B, 137  
Scomber japonicus, 92B, 405, 715; 93B, 379  
Scophthalmus maximus, 93B, 823; 94B, 367, 607  
Scopolamine, 93C, 68  
SCP<sub>B</sub>, 94C, 485  
Scrotal pigmentation, 92A, 492  
Scyliorhinus canicula, 93A, 799; 93C, 317; 94C, 261  
SDH, 92B, 1  
Sea urchin eggs, 92B, 251  
Sea urchin embryo, 93C, 281  
Sea urchin larva, 94C, 1, 15  
Sea-water tolerance, 92A, 599  
Second messenger, 93A, 95  
Seizures, 94C, 399  
Selenium, 92A, 581; 94B, 323  
Semicarbazide, 92B, 347  
Sensory reception, 94B, 277  
Sepia modokai, 92B, 247  
Serine, 92C, 355; 94A, 187; 94B, 641  
Seriola dumerii, 94B, 499  
Serotonin (see '5HT')  
Serrasalmo nattereri, 92B, 609  
Serum albumin, 93B, 5  
Serum esterases, 92B, 681  
Sex pheromones, 92A, 129  
Sex steroids, 92C, 267  
Sexual development, 92A, 489  
Sexual maturation, 92A, 571  
Sharing food, 94A, 461  
Shark, 94C, 493  
Sheep, 93B, 465; 94A, 105, 765  
Shell gland lipids, 94B, 521  
Shell-repair, 94C, 695  
Shell thickening, 92C, 77  
Short-circuit current, 92c, 167  
Sigmodon hispidus, 94C, 543  
Silicon utilization, 93A, 667  
Silkworm, 93B, 443  
Silurus asotus, 92B, 715  
Sinus arrhythmia, 93A, 281  
Sitobion avenae, 94B, 723  
Sitophilus oryzae, 92B, 389  
Sitosterol, 94A, 25  
SITS, 92A, 409; 94B, 439  
Skate, 94C, 447  
Skeletal fatty acids, 94B, 329  
Skeletal muscle, 94A, 809  
SKF 38393, 93C, 413  
Skinned muscle fibers, 93A, 745  
Slaughter, 94A, 569  
Sloths, 94A, 159  
Slow growing strains, 92A, 305  
Smell in turtles, 92A, 505  
Sminthopsis crassicaudata, 93A, 331  
Smooth muscle, 92A, 61  
Snails, 93A, 353  
Snail neurone, 93C, 181

- SOD, 92C, 5; 92B, 737

Sodium, 92A, 577

Sodium arsenate, 93C, 121, 407

Sodium balance, 92A, 247

Sodium dichromate, 93C, 121, 407

Sodium entry, 93A, 593

Sodium ion transport, 94A, 173

Sodium selenite, 94C, 139

Solar radiation, 92A, 473

Solea solea, 94B, 607

Solea vulgaris, 92A, 49; 92B, 741

Somatomedin, 93A, 337

Somatomedin-C, 93A, 467

Somatostatin, 93A, 191

Sorbose, 94A, 813

Sorbitol, 92B, 685; 94A, 499

Sorbitol dehydrogenase, 92B, 529

Sorbitol pathway, 94B, 213

Sorex coronatus, 92A, 359

Sorex minutus, 92A, 359

Sousa plumbea, 94A, 639

Soyabean, 93A, 285

Soya protein, 92A, 81

Spalax ehrenbergi, 92A, 253

Sparus auratus, 93B, 867; 94A, 209; 94B, 625

Sperm activating peptide, 94B, 739

Spermatozoa, 92B, 319; 93B, 163

Sperm histone, 92B, 381

Spermidine, 94B, 569

Spermine, 93B, 647; 94B, 569

Spermophilus lateralis, 94A, 575

Spermophilus richardsonii, 93A, 613

Spermophilus townsendii, 92A, 531

Spermophilus tridecemlineatus, 92A,

Spheniscus demersus, 94A, 461

Spheniscus magellanicus, 92A, 43

Sphenodon punctatus, 93B, 223

Sphyraena barracuda, 94B, 499

Sphyrna lewini, 92B, 651

Spike afterpotentials, 93A, 511

Spinal cord, 93A, 16, 171, 177, 301

Spiny lobster, 92C, 413

Spiral After-Effect, 93A, 291

Spleen, 92A, 139; 94A, 633

Spodoptera frugiperda, 93B, 803

Sponges, 92B, 733

Squalene, 93B, 589

Squalus acanthias, 92C, 103; 94B, 99

Squilla mantis, 94A, 493

Squilla mantis eye, 92A, 332, 343

Squirida elongata, 92B, 87

Stanols, 92B, 195

Statocyst, 93C, 23

Stearic acid, 92A, 299; 93B, 763

Stentor coeruleus, 92A, 101

Stephantis sp., 93C, 253

Stereotyped locomotory movements, 92C, 343

Steroids, 92B, 195; 94B, 807

Steroid secretion, 94A, 41

Sterols, 93B, 175, 711, 819; 94A, 25; 94B, 143

Stigmasterol, 94A, 25

Stomach digestion, 92A, 81

Stomatopod eye, 92A, 331, 343

Storks, 94A, 201

Streptozotocin diabetic rats, 93B, 409

Stress, 92A, 125

Stress hormone, 93A, 455

Stress in insects, 94B, 85

- Strongylocentrotus sp. 94B, 739      Surfactant, 93A, 677; 94C, 591
- Strongylocentrotus intermedius, 92C, 23      Sus domesticus, 94B, 709
- Strongylocentrotus purpuratus, 92B, 281; 94B, 41      Sus scrofa, 92B, 59, 493, 523, 561, 583, 681, 759; 93A, 429, 467; 93B, 77, 125, 265, 271, 325, 517, 575; 93C, 201; 94B, 389
- Strontium, 92A, 189
- Structural allometry, 92A, 455
- Struthio camelus, 93B, 181
- Strychnine, 92A, 108
- Styela plicata, 92B, 93
- Stylocheilus sp. 92C, 131
- Subcutaneous sinus, 93A, 607
- Sublingual glands, 94A, 89
- Submandibular ductal cell, 93A, 383
- Submandibular gland, 93B, 187
- Substance P, 92C, 425; 94C, 533
- Substance P and hydra, 92C, 217
- Subunit aggregation, 93B, 549
- Succinate, 93B, 193, 883
- Suckling period, 93A, 597
- Sucrase-isomaltase, 94B, 1
- Sugar chemoreception, 93A, 353
- Sugar responses, 92A, 181
- Sugar stimuli, 94A, 603
- Sugar transport, 93A, 353
- Sula sula, 93A, 807
- Sulphydryl binding reagents, 94A, 125
- Sulphatase, 93B, 229
- Sulphate, 94A, 477
- Sulphate transport, 92A, 145
- Sulpiride, 93C, 115, 413
- Sunbird metabolism, 92A, 393
- Suncus murinus, 92B, 583; 93B, 107, 169
- Surface glycoprotein, 92B, 705
- Surfactant, 93A, 677; 94C, 591
- Sus domesticus, 94B, 709
- Sus scrofa, 92B, 59, 493, 523, 561, 583, 681, 759; 93A, 429, 467; 93B, 77, 125, 265, 271, 325, 517, 575; 93C, 201; 94B, 389
- Swiftipecten swifti, 93B, 163
- Swimming, 94A, 689
- Switch point, 94A, 354
- Synapse, 92A, 445
- Synapse elimination, 93A, 117
- Synaptic glycoproteins, 93A, 255
- Synaptic transmission in cockroaches, 92C, 175
- Synephrine, 92C, 298
- Synodontis nigriventris, 92A, 323; 93C, 67
- Synoeca sp. 92C, 117
- T<sub>3</sub>, 92A, 499; 92C, 315; 93A, 567; 93B, 477
- T<sub>4</sub>, 92A, 499; 92C, 315; 93A, 567
- Tachycardia, 92A, 125
- Tachyglossus aculeatus, 92A, 255, 609
- Tachykinin, 94C, 533
- Tachylepus tridentatus, 93B, 681
- Taeniopoda eques, 93A, 751
- TAGL, 94B, 13, 19, 27
- Talpa europaea, 94B, 343
- Tapes japonica, 92C, 283
- Taricha granulosa, 94A, 243
- Taste, 92A, 185
- Taste cell, 92A, 181
- Taste responses, 92A, 107
- Taste substances, 92A, 365, 371
- Taste transduction, 94A, 659

- Taurine, 92A, 545; 92B, 129; 94C, 335  
[<sup>35</sup>S]-TBPS, 92C, 9  
TBTO, 92C, 77  
Teleogryllus emma, 92B, 691  
Temperature, 92A, 49, 91, 163, 409, 473; 92C, 73; 93A, 331, 395, 473, 527, 535; 94A, 21, 499; 94B, 581; 94C, 149  
Temperature regulation, 92A, 359  
Tenca tenca, 94B, 435  
Tenebrio molitor, 92C, 309; 93A, 527; 93B, 93  
Tenebrio obscurus, 93A, 527  
Teratogenicity, 93C, 407  
Terebratalia transversa, 92B, 747  
Testes, 93A, 857  
Testosterone, 92A, 499; 92C, 89; 93A, 423, 791, 857; 93C, 91  
2,3,7,8-tetrachlorodibenzo-p-dioxin, 93C, 49  
Tetrahymena sp., 94A, 627  
Tetrahymena thermophila, 92C, 139, 211  
Tetrahymena pyriformis, 92B, 675; 93A, 9; 93B, 113  
Tetrypygus niger, 94B, 241  
Thais haemastomata, 92A, 71  
Thaumastella elizabethae, 93B, 459  
Thaumastella namaquensis, 93B, 459  
THCA, 92B, 129  
Theophylline, 92A, 15, 108; 94A, 315  
Thermal acclimation, 93A, 527  
Thermal neutrality, 94A, 273  
Thermal pulse decay, 93A, 725  
Thermal salivation, 94C, 133  
Thermal tolerance, 93A, 395  
Thermobia domestica, 94B, 599  
Thermogenesis, 92A, 37  
Thermoregulation, 93A, 345  
Thermoregulatory behavior, 94A, 339  
Thermoregulatory patterns, 94A, 215  
Thermoregulatory responses, 94A, 153  
Thermosensitivity, 94A, 583  
Thiamine metabolism, 94B, 399  
Thiamine phosphate esters, 94B, 405  
Thionein, 93C, 389  
Thiostatins, 93B, 813  
Thiourea, 92A, 619; 94A, 277  
THIP, 92C, 391  
Threonine-6-bradykinin, 93C, 87  
Thrombin, 92C, 67  
Thrombocyte, 93B, 397  
Thromboxane, 92C, 185  
Thromboxane A<sub>2</sub>, 92C, 67, 185  
Thromboxane B<sub>2</sub>, 94A, 47, 677  
Thy-1, 93A, 260  
Thymidine transport, 94B, 233  
Thymosin alpha-1, 94B, 759  
Thyroid, 93A, 583; 94A, 225, 725  
Thyroidectomy, 93A, 467  
Thyroid function, 94A, 427  
Thyroxine (also see "T<sub>3</sub>, T<sub>4</sub>"), 92A, 499; 93A, 337, 467, 791  
Tilapia sparrmanii, 93C, 37; 94C, 207  
Tissue metabolism, 92B, 313  
Tissue specific differences, 92A, 299  
Toad skin, 92A, 15  
Todarodes pacificus, 92B, 481  
Tolazine, 93A, 505  
Toluene, 94C, 289  
Tomocerus minor, 93A, 691

- Tongue protrusions, 94C, 29
- Torpor, 92A, 409
- T-2 toxin, 93C, 33
- Trachus japonicus, 92B, 715
- Training, 94A, 1
- Transferrin, 92B, 361; 93B, 417
- Transplantation, 93A, 301
- Transthyretin, 94B, 79
- Treadmill exercise, 93A, 913
- Trehalase, 94B, 1
- Trehalose, 93A, 543
- Trehalosemia, 94B, 53
- Trematonus bernacchii, 93A, 819
- TRH, 92C, 301
- Triacyl glycerols, 92A, 571
- Triatoma infestans, 93B, 1, 763
- Tribolium castaneum, 94C, 419
- Tribolium destructor, 93B, 437
- Tributyltin, 92C, 77, 125
- Tricarboxylic acid cycle, 92B, 233
- Trichiurus lepturus, 93A, 331
- 4,5,6-trichloroguaiacol
- glucuronidation, 93B, 653
- Trichostrongylus colubriformis, 92C, 185
- Tricorn-type sensilla, 92A, 513
- Tridecane, 93B, 459
- Tridiphane-diol, 94B, 661
- Trigeminal, 93A, 183
- Triglycerides, 92B, 45, 319; 93A, 913; 94B, 411
- Triiodothyronine, 92A, 499; 93A, 337
- Trimeresurus sp. 92C, 279; 93B, 757
- Trimix, 93A, 297
- Trionyx sinensis, 92A, 593; 93B, 283
- Tripneustes gratilla, 94B, 739
- Triturus alpestris, 94B, 435
- Triturus vulgaris, 94B, 435
- Tropidoclonion lineatum, 92A, 541
- Troponin C, 94B, 769
- Troxonium, 93C, 1
- Trypanocidal CoQ analogues, 94B, 245
- Trypanosoma brucei, 92B, 705; 94B, 245
- Trypanosoma cruzi, 94C, 87
- Trypsin, 92A, 15; 93A, 439; 93B, 61, 317
- Tryptamine, 92C, 381; 93C, 307, 309
- Tryptophan, 93C, 225
- TTX, 92C, 205; 93A, 64; 93C, 127, 247
- Tubifex tubifex, 92B, 35
- Tubocurarine, 92C, 381
- Tunicates, 92B, 93
- Tupaia belangeri, 92A, 489
- Turbatrix aceti, 92C, 185
- Turkey embryos, 93A, 451
- Turkey hens, 94A, 771
- Tursiops truncatus, 94A, 639
- Turtles, 94A, 515
- Turtle chromosomes, 92A, 23
- Turtle hatchlings, 94A, 663
- Turtle liver mitochondria, 93B, 539
- Turtle urinary bladder, 92A, 21
- Tyrosine specific esterase, 93B, 621
- Uca pugilator, 94A, 531
- Uca pugnax, 94A, 531
- UDP-GT, 92C, 51, 267; 93B, 653, 921
- Underwater exploration, 93A, 295
- Uncoupling protein, 94B, 493
- Uranium, 92C, 55
- Urea, 92A, 137; 93A, 597
- Urechis unicinctus, 94C, 603

- Urethane, 94C, 133  
Uric acid, 92B, 631  
Uricase, 92B, 583  
Urinary bladder, 93A, 519  
Urinary metabolites, 92B, 773  
Urine, 92A, 531; 94A, 261  
Urine output, 92A, 521, 531  
Ussing-type chamber, 92A, 601  
Uterine tubes, 94A, 765
- Vagus, 92A, 49  
Vanadium, 93B, 425; 93C, 175  
Varanic acid, 92B, 129  
Vasotocin, 92A, 423  
Venoms, 93B, 757  
Ventilatory responses, 92A, 255  
Ventriculotomy, 92A, 327  
Verapamil, 92C, 27; 93A, 85; 93C, 137; 94A, 47  
Verongia archeri, 93B, 175  
Verongulasterol, 93B, 175  
Vespa orientalis, 92C, 329  
VHDL, 93A, 673; 94B, 613  
Vinblastine, 92C, 81; 94B, 505  
VIP, 93A, 463; 94C, 411  
Visual input patterns, 94A, 75  
Vitamin C, 94A, 569  
Vitamin-transport proteins, 93B, 291  
Vitellin, 94B, 445  
Vitellogenesis, 94B, 253  
Vitellogenin, 92B, 123, 167; 93B, 363  
Vitellogenin synthesis, 93B, 57; 94B, 201  
Viviparus ater, 94C, 327  
VLDL, 93B, 371; 94B, 735
- VMA, 93C, 303  
Volatile fatty acids, 93B, 413  
Volume changes, 92A, 479  
Vulpes vulpes, 94B, 226
- W-7, 92C, 163  
WAT, 93A, 613  
Watasenia scintillans, 92B, 247  
Water absorption, 94A, 105  
Water balance, 93A, 505  
Water flux, 94A, 21  
Water loss, 93A, 807; 94A, 749  
Water processing, 94A, 383  
Water relations, 93A, 527  
Water secretion, 94A, 673  
Water turnover, 92A, 521  
Weight gain, 94A, 61  
Weight loss, 92A, 355; 94A, 61  
wms-mice, 93C, 167  
Wriggle mouse Sagami, 93C, 167
- Xanthine: NAD<sup>+</sup> oxidoreductase, 94B, 361  
XDH, 92B, 1  
Xenia elongata, 94C, 677  
Xenobiotic biotransformation, 94C, 469  
Xenopus laevis, 92B, 487; 93B, 85, 251, 477; 93C, 73; 94B, 783  
Xiphophorus, 94B, 465
- Yaci retropinush, 94B, 423  
Yohimbine, 92C, 315; 93C, 127, 189, 247  
Yolk degradation, 94A, 231  
Yolk protein, 94B, 599  
Y. organs, 93B, 299
- Zearalenone, 94C, 691

- Zeaxanthin**, 92A, 111; 92B, 41  
**Zebra haematocrit**, 92A, 31  
**Zinc**, 92C, 15, 189; 93A, 205, 811;  
93B, 409; 93C, 327, 345, 355;  
94A, 693; 94B, 65, 285; 94C, 207  
**Zoarces zoarces**, 93B, 653